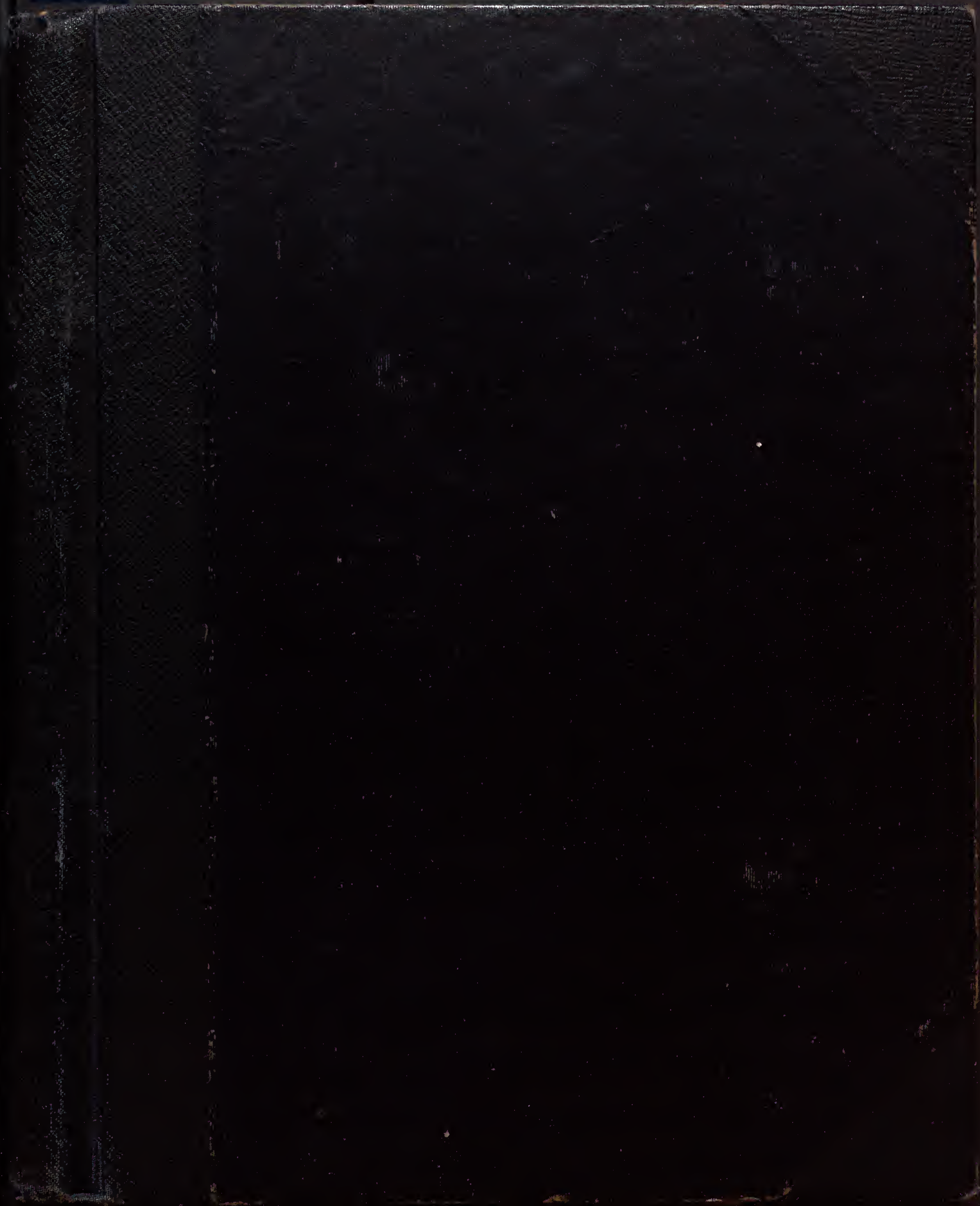
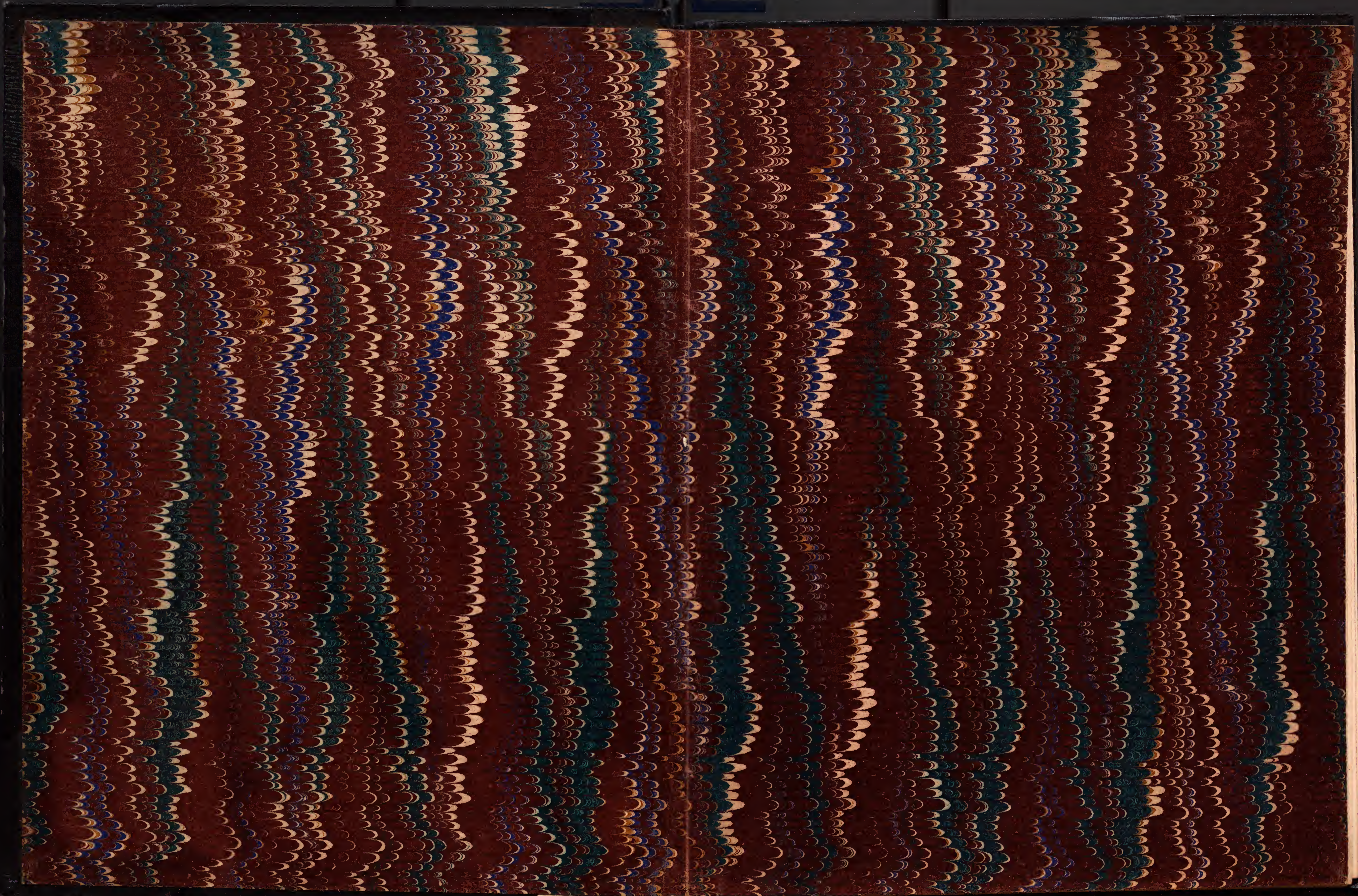


11





VOL. 29.

DIARY

OF

HYMENOPTERA, OTHER INSECTS, PLANTS, &c,
SEEN OR TAKEN BY A.W. STELFOX

From 19th June 1960.
until 16th May, 1961.

19th June 1960. A very fine sunny day with fresh cool NW breeze. Sunday. In afternoon Mr & Mrs Dally drove us to Beragh on the eastern of the White Water. There it enters Banagherford Lough. Here we discovered that the entire area of salt marsh where we collected in 1957 had been swept away since we were there.

Mr Dally & I however swept an area W of the fence line - part salt marsh part marsh ground above level of high tide & here I took the following:-

Dryinid ♂.

Cryptine, 26.30: 3rd. Hymenoptera of 2nd. ant. 20-21.

Hemiteles apator ♂, ant. 22. Stenobothrus gagates ♀, ant. 16.

Microcryptus grammicola ♀, ant. 16. Bitten off.

Campoplegid 1. not mtd.

Apanteles 7: 6 mtd. = 6. 20-21.

2. 20-21: near obscurus?

Opius 1 = O. cf. exilis ♂, ant. 26.

Aspilota sp. ? ♂, ant. 23. with dimple, very black legs & body, rugose propodeum, expanded head, etc.

Dacnusa / Pimpla / Comptosia hie. ♀, ant. 22.

2. (Pimpla) areolaris 4: not mtd.

Chasmodon areolaris ♀, ant. 16. Bitten off. Short.

Proctos

Chalcids

none mtd.

Cynipid 1

Better 6 none mtd.

20th } June 1960. Two very hot sunny days, but with fresh mainly easterly breeze during day time. Spent both days in garden clearing up after the holiday.

A dead Turtle Dove was sent of to me from West Cork. I passed it on to Ken Rock.

2, Arkendale Road,
Glenageary,
Co. Dublin.
TELEPHONE 81602.

2.VI.60

Dear Kelfor

I feel sure these ferocious looking ichs with their dorsal white spots are quite well known, but I thought it worth sending them along, as I can say for certain that species the host was. They emerged from pupae of Dasychira pudibunda L., the Pale Tussock, bred by my young friend Paul Williams. The ichs emerged

Replied & mtd. 17.7.60.

Good evening (1st International) 17.7.60.

with very hot sun, a forecast thunder storm did not materialise. Very warm & sunny in forenoon, & then very warm 10 P.M.

Intensely hot sun all day. W. towards evening W-NW wind; very hot afternoon, after a clear evening with a first flower on *Coronilla* (L.) *Ericea stricta* etc. (59) also in flower.

day, with NW-N. breeze. with hot sun & hard temperature dropping in the afternoon.

1st July 1960. Similar but more cloudy & a few minute light drizzle of rain at 3.30 P.M. Sun very hot - 18th out & wind (NW) not so keen as previous days.

A dead Turtle Dove was sent of to
me from West Cork. I passed it on
to Miss Rock, 2, Arkendale Road,
Glenageary,
Co. Dublin.

TELEPHONE 81602.

2.VI.60

Dear Helfer

I feel sure these
ferocious looking ichs with
their dorsal white spots
are quite well known,
but I thought it worth
sending them along, as I
can say for certain what
species the host was. They
emerged from pupae of
Dasychnia pudibunda L.,
the Pale Tussock, bred by
my young friend Paul
Williams. The ichs emerged

Applied
2 red - box
17.7.60.

Good day (to)
to International
allotype at a gran

30 May - 1 June, & the pudibunda
larvae were found "at various
spots in Co. Dublin". How are
you both? We had a good
holiday in Grand Canary
in Feb & March. I found
two new (to me) species
of butterfly, & I understand
that the orthoptera etc
which I caught & sent
to an expert in these bugs,
in England, are causing
some excitement! Am now
sending migrant moths to
Bernard Kettlewell in Oxford
to test for radio-activity,
i.e. as from French atomic explosion
area in Africa!
Yours ever
S. L. B.

2, Arkendale Road,
Glenageary,
Co. Dublin.

TELEPHONE 81602.

15. VI. 60

*Paniscus
ocellarius* Thoms.

Dear Stelfox

Herewith another
ish, together with the cocoon
(on a piece of cork) of
Harpysia furcula A. (Sallow
Kitten) from which the beetle
emerged. The furcula
larva^{was} from the Murrrough.

Yours ever
EAB.

Replied & ret. box
17.7.60.

19th June 1960. A very fine sunny day with fresh cool NW breeze. Sunday. In afternoon Mr & Mrs Daltry drove us to Bangor, on the eastern of the White Water. There it enters Loughjordan Lough. Here we discovered that the entire area of salt marsh where we collected in 1957 had been swept away since we were there on

Mr Daltry & I however, swept an area N of the fence in lower part salt marsh part marsh ground above level of high tide & here I took the following:-

Dryinid ♂

Cryptine, ca. 30:50. Rhyssalusid of ♂♂ abundant, ant. 20-22

Hemiteles apicatus ♂, ant. 22 Stenopoma gurgulio ♀, ant. 16

Microcryptus graminicola ♀, ant. 18-19

Camptoplyctis 1: not mtd.

Apanteles 7: 6 mtd. = 6 sp. 20-22

1. sp. 10-12, 20-22: near obscurus?

Opius 1 = O. cf. bacilis ♂, ant. 26.

Apanteles sp.? ♂, ant. 23, with dimple, very black legs & body, rugose propodeum, expanded head, etc.

Dacnusa / Pimpla / Coma hirs. ♀, ant. 22.

2. (Phaenocarpa) areolaris 4: not mtd.

Chasmodon areolaris ♀, ant. 18-19, better off than

Proctos

Chalcids

none mtd.

Cynipid 1

Bracon 6 none mtd.

20th June 1960. Two very hot sunny days but with fresh mainly easterly breeze during day time. Spent both days in garden clearing up after the holiday. The Daltrys left for home on afternoon of 20th & had tea with George & Margaret in Belfast.

21st June. A heavy, warm, sultry day, with very hot sun. Becoming cloudy towards evening & a forecast thunder storm approached from the SW. This storm did not reach us till after 11 P.M. but was then very severe & lasted till about 2 A.M. accompanied by heavy rain.

22nd June. Dull, misty & very showery in forenoon, but sun broke through about 3 P.M. & later very warm & drier, but no rain fell before 10 P.M.

23rd June. After a misty morning entirely hot sun all afternoon, with E breeze. Some clouds in W. towards sunset.

24th June. Rather a blustery day with increasing W-NW wind, very warm & sunny about midday & most of afternoon, after a misty morning, much colder in evening with a distinct "autumn" feeling in the air. First flowers on *Coronilla*, *Coronopsis*, *Red Potentilla*, *Epipactis palustris*, *Erica stricta* etc., appeared during last few days. *Primula sikkimensis* & *Hypericum canadense* (from Lough Mark June 1959) also in flower.

25th June. Another very warm mild sunny day, with NW-N breeze.

26th - 30th June. Brought in continues, with hot sun & hard, cool, N. to NW. wind often fresh & temperature dropping each night sharply at sunset & in the autumn.

1st July 1960. Similar but more clouds & a fine minute light drizzle of rain at 3.30 P.M. Sun very hot when out & wind (NW) not so keen as previous days.

- 2nd July 1960. Another day, calm & warm, but with a change coming. Little rain.
- 3rd July. Cloudy with SE. breeze & odd sprinkles of rain in forenoon & evening. In afternoon Daisy & I walked round. I saw *Chrysanthemum* *luteum* in flower in a new locality SW. of the barn at side of drain W. of the road. Saw a large *Linnaea purpurea* in the burn at the place we fell the watering can. Also *Bombus hortorum* or *Andrena cataractae* or, & *Phaenocarpa* a young ♀ of *B. lucorum*.
- 4th July. After some welcome rain during the night, a very warm "muggy" dry day, mainly cloudy & more so in evening when more rain seemed imminent. Spent day clearing bank of the burn along Crawford's fence. There had been I planted *Gynandropsis*, *Cydonia* & *Escallonia*: these all doing well but smothered in grass, etc. Later got all burnt.
- 5th July. Heavy rain during night & squalls of rain & wind with drizzle between most of the day. Warm in forenoon cooler in evening. Wind reaching gale force in gusts & large branch of ash tree in front garden broken off & potatoes, etc. in back garden badly blown about & broken down.
- 6th July. Gale continued throughout night & only died down a little towards evening. Mainly dry but from rain.
- 7th July. Quite a nice sunny day & little wind.
- 8th July. Another nice day with very hot sun all forenoon. While I cut front lawn. In afternoon we dug the first planted row of potatoes (planted on 23rd March): the eight "Home Guard" giving a poor crop, while the "Ulster Chieftain" yielded an average crop, considering the dry weather we had in May & June.
- 9th July. Also a nice day with one slight shower at noon & wind changed from SW. to E. but back lawn & path in waxy.

- 10th July 1960. Heavy rain most of the day.
- 11th July. A fine early forenoon & a nice evening with hot sun, but a couple of showers between 1 p.m. & 4 p.m.
- 12th July. A very nice day, dry, with considerable hot sun, but cloudy in evening with rain. A depression from Atlantic approaches. Spent most of the day trying to get garden refuse burnt & succeeded, but a lot more to burn soon.
- 13th July. A showery day with hot sun intervals. Howard & Margaret Hudson & daughters came to call in afternoon & left at 4.40 P.M. - bus for Belfast where they were staying for the week on way home from Scotland.
- 14th July. Frequent showers, especially in afternoon, but I cut front lawn nevertheless.
- 15th July. Rainy day, but a few heavy showers, so that all I could do was some weeding. Wind strong, W., in early part, but dropping to calm in evening.
- 16th July. After a cold dry night, a very muggy warm morning, but rain did not commence till about 2 P.M. When a "deep depression" arrived from west & wind increased to gale from SE. with very heavy rain & falling glass all evening till bedtime & after.
- 17th July. A fine early morning after gale & rain till dawn but heavy showers later. Left home at 9.30 A.M. & walked up to E. cliffs of St. Connedagh, ca. 1500 ft. where had lunch & collected (in rain) mosses & liverworts for the Fitzgeralds - some at base of cliff & some on rocks higher up. Returned home at 4.30 P.M. A disappointing day!

Cypripedium pubescens L.; not mtd.

2. *Epilobium* G. not intd.

D. lugubris Nic. ♂, ant. 31.

D. (B.) uliginosa ? or small % ? from the marshy, ...

flowers, 12; only 1, small, single, etc. =

March 25

Chalced. ca. 25

6 yr old 11, months

Diptera 2

1/ 26th July 1960. After a fine but dull morning, a prolonged & heavy shower about 2 P.M. Very damp & windless afterwards.

27th July. Entirely dull, with hill fog & drizzle on the hills, but no real rain here till afternoon, which continued all evening with falling glass. Wind strong SE, in morning, cold, but dropped completely in town first & approached in evening.

Dug two buckets of Ballydoon potatoes: nine plants produced one bucket.

28th July. Very warm & damp with drizzle on hills in morning, a beautifully sunny fresh afternoon with W wind when George drove us all to Ballydoon to spend afternoon with Margaret's mother & sister Mrs. Dodds & Mary.

I swept in the stackyard for about half an hour & there took the following insects:

- Phaenocarpa 3 = *Oncophanes pallidipes* 2000, ant. 25 & 26.
Oncophanes *opaculator* 2000, ant. 25.
- Cryptine 3 including *Stelidota* sp. 2000, ant. 24.
- Phygadeuon* sp. 2000, ant. 18 & only mtd.
- Simple sp. 2000 (*truncatella* group?) not mtd.
- Chalcid* sp. 2000, ant. 25.
- Bracon* "truncatella" 2000, *Pentapleura* *neglectus* 2000. } none mtd.
- Homocidus* *postulator* 2000, *neglectus* 2000, 1000 of each. } mtd.
- Stenomacrus* 2000, *neglectus* 2000, ant. 25. *Pentapleura*? sp. 2000, mtd. 2000, ant. 26.
or possibly a *Stenomacrus* "H.M.B. 27.8.60."
- Theridion* 2000 = *Ischyropsis* sp. 2000, ant. 18.
- Ophiura* *scutellari*? 2000, ant. 55.
- Oncophanes* *minutus* 2000, ant. 22.
- Diapriid* 2000, ant. 23, dark legs.
- Blacus* *humilis* group 1000, ant. 17. sp.?
- Adelius* *flaviventris* 2000, ant. 26.
- Cephus* of *bevis* 2000, ant. 20.

28.7.60 cont. Ballydoon, Co. Down, cont. (8)
Aphidius *negator* 2000, ant. 24.
Aspilota sp. 2000, ant. 24, not mtd.
Dacnusa sp. *laevipennis* 2000, ant. 24, none mtd.
Aphidius 3: 1000 mtd. = *A. pseudoplatensis* 2000, ant. 15, also a small 2000, ant. 16.
no doubt swept off a *Sphecus* which gave beside the river (outlet of Ballydoon Lough).
Tenodes sp. 2000, not mtd.
Proctos ca 20: none mtd.

Chalcid 12.
Cynipid 2.
Two plants from stackyard dried: *Melilotus* *perfoliatus*? &
Potentilla sp. 2000?

29th July. A fine morning, during which George & I cut front lawn, but after I had got a bonfire going a terrific shower fell at 3.30 & others at intervals all afternoon, & yet I managed to keep the bonfire going & burnt almost all the garden rubbish I had been drying by covering the pile with cabbage leaves to throw off the rain. Planted cuttings taken from "Rosallane Seedling" Cydonia.

30th July. A rather nice day, till evening when very heavy showers developed.

31st July (Sunday) Similar to yesterday, fine in early part, showering after 4 P.M.

1st August. After a very wet night an anted morning, very hot day with NE, cool breeze. George & family left for home at end of their Holiday with us. Bank Holiday.

2nd Aug. After a heavy dew - almost a "white frost" another all sunny hot day. Wind light NW in forenoon, E. in afternoon, calm in evening. Dug two buckets of Ballydoon potatoes.

3rd Aug. '60. Entirely dull, with hill fog & almost raining most of the day, but it did not rain.
4th Aug. Similar, but very humid, but a slight windless. Dug front lawn & Daisy & I dug the last of Ballydoon potatoes in main plot. In evening, I had a bonfire & cut grass in wagg.

5th Aug. A dull, close humid but dry day, with no wind. Dug last of Ballydoon potatoes ^{& all Kevin Pink} & cut grass in wagg & had bonfire.

6th Aug. Similar but drizzle started in afternoon & heavier rain in evening. Dug Ulster Supreme & a few Golden Wonder potatoes.

7th Aug. Sunday. A very nice day, with considerable sunny periods after 11 A.M. but not so close & humid as previous days & a very light W-NW breeze. In afternoon Daisy & I walked through the plantation & on to river below Slieve - rambling & home via the Glen River. On the way I took two rather odd my hand (as I had no net) as follows:—

Tricopius dentatus 2

On return journey & by path just below the stile from the near river a Grayling butterfly & *Melinae arvensis*, as well as a very minute ♀ of *Bombus jonellus*. Many bees & solitary "wasps" seen in garden lately, as well as small copper butterflies & including *Andrena cantans* & *Melinae arvensis*. In July I took a specimen of *meleis* ~~traces~~ in the Killarney Fern case from which specimens have been almost annually obtained since the 1920s, when some bored sticks were stored in it from Powerscourt & Enniskerry, Co. Wicklow. The larvae of these can only have fed on the pine wood of the case or the rhizomes of the fern.

8th Aug. A nice clear sunny forenoon, followed in afternoon by very heavy deluges. Cut back lawn in morning. ^{Hygredon} ant. 20 in garden.

9th Aug. After a dry night, heavy showers all day, with thunder in distance in afternoon; cold & clear by 9 P.M. Garden very wet!

10th Aug. After a very heavy dew, a nice sunny day, wind light from W, then NW. Calm, while S. counties of England had up to 3" of rain. Dug last of Golden Wonder potatoes & 1st row of Blues, & cut front lawn after tea. No SWIFTS seen since 5th Aug. when several seen.

11th Aug. 1960. A nice fine day, with some very hot sun. Dug the remainder of the "Blues" potatoes & put very few crops. Cut grass in wagg & had bonfire.

12th Aug. Another fine day, after a cold night with frost NW breeze, but during day wind very light & hot.

Dug all but one row of Golden Wonder potatoes in upper plot next strabernia. These planted on 25th of March. Also had bonfire & sowed seeds of *Lycium alpinum* (1959) *Crataegus* 3 off & *Cornus magellanica*, some in 12" pot & some at W. door of greenhouse in open.

13th Aug. A fine, mainly dull, calm day but a heavy shower about 8 P.M. & more rain later. Had bonfire & cut back lawn.

14th Aug. Sunday. Daisy's brother Canon Mitchell with us for the weekend. Stanley Skiller, Bob Peters & his fiancée came in afternoon & the latter brought an account of their recent holiday on Skye & stayed for tea. Skiller who had called the previous evening is in Newcastle with his family (wife & Brian) brought a *Myro Trichis botryotis* which he had found in quantity on sandstone heap at Castle Ward, Strangford. This is a very nice calm day after an early morning mist & slight drizzle. A Mr. Lewis who is on a visit to Ireland to study the small *Cochlicella acuta* (alias *Helix acuta* & *Helicella hortana* Auct.), called also in afternoon & we discussed his problems for half an hour. He posed a very pleasant & interesting puzzle, a very keen on his subject. X "Geoffrey Lewis of Oxford" according to Mrs. Rock of Nat. Mus. Dublin.

15th-17th Aug. Sunny days with heavy showers. On 15th saw a ♀ *Bombus distinguendus* in garden in back garden & on 17th took a ♂ at Castle Ward. On 16th saw a nice Red Admiral & on same day John Peters & Skiller took 13 off of butterflies in the district, including *Salix* washed & taking near Donald Lodge, & Red Admiral & *Proterops*.

11
18th Aug 1960. A nice day spoiled by heavy showers in afternoon & evening. Completed revised key to the fruit species of *Bombus* & *Psithyrus*. I lent it to Stanley Skiller, who will get it copied at Stranmillis Training College, Belfast.

19th Aug. A nice day spoiled by showers in afternoon & heavy rain in evening & up to bed time. ^{Dr. J. P. O'Sullivan} in back garden.

20th Aug. After a clear early morning, clouds formed about 11 AM. but no rain fell till after tea - 6.30 PM. - but from that till bed time it drizzled continuously & no wind at all, though wind had been quite strong from E. several times in the day. Stanley Skiller & family called to see garden about noon & presented me with a miniature Rose, which he planted by middle path W. of greenhouse. Garden very wet & spent forenoon weeding & afternoon staking Raspberries & clearing up rose with Stanley.

21st Aug. Sunday. A warm damp day, with hill-fog on hills all day & drizzle or rain off & on down here. Sub. during fine spell in afternoon. Evening & I spent an hour & a half walking in the plantation. In evening I began labelling insects taken about Newcastle during the summer, but there were very few in number, as except on the western holiday in June I have scarcely collected at all this year.

22nd Aug. After a wet early morning, the day cleared about 11 AM. & we had some sun but soon a no rain. I got back lawn cut. Later afternoon we had a thunder storm with terrific bursts of hail & rain, with streams running down all slopes in back garden & lawn, ditches on lower path.

23rd Aug. After a fine night a nice sunny day till 3.30 PM. & I got front lawn cut. Left home about 3.15 to call on Mr. Davis & got light shower. Returned at 5.30 & got lawn dry, but after that we had on an hour rain with thunder. Davis gave me plants of *Cotyledon Saxifraga* & a *Campanula*. Like dwarf Harebell.

24th August 1960. A mild day, with sea & hill fog all day, except for a few minutes about 2.30 PM. when a wind sprang up from E. & cleared the fog. However wind very light E.; rain when wind rose & later rain came. In forenoon dug up underground runners & shoots of *Rubus vesca*, which wanted to occupy too much room. Planted the two plants given me by Davis yesterday just W. of seat by the river path.

25th Aug. Continuum rain or drizzle all day from early afternoon & continued throughout the following evening & night. Mr. Doherty called in afternoon for an hour chat!

26th Aug. Rain cleared off about 8.30 AM. & from noon onward we had a fine warm & sunny afternoon with gentle E. breeze, but garden terribly wet, though managed to have bonfire & cut grass in muggy. Also cut back lower shoots on cordon apple & pear trees & erected wire round base in blackbirds had been at the fruit near ground level. Took a *Campanula medium* at night in house. Ant 49.

27th Aug. A dull, warm, cloudy day, with fog on hills, very damp, but with a few spots of rain here, wind very light NE. Everything very wet, but in afternoon cut back lawn. However did some weeding & weeding. Saw a few *Bombus* & *Psithyrus* but most have been seen to have been wiped out by recent heavy rain. A few wasps seen & presumably *V. vulgaris*, etc.

28th Aug. Except for a couple of showers in afternoon with thunder & dry, damp & no sun, with a few hot bursts of sun. In afternoon I & Goldwell walked through the plantation to the "Sepulchre Cottage" & Tullymoreagh River & home via the Cavan road.

29th Aug. A very damp day! Drizzle all morning & a drizzle till evening, then sky cleared. Could do no work in garden, except hand weeding & weeding.

30th Aug. "No rain!" A very nice, warm, humid day, but W. breeze & sun did dry up the garden to some extent & I got front lawn cut, though ground very soft. At 3.30 PM. Davis & I went to the river to show our tree prunings, taken in the week to Mr. Davis & Joan. Home at 6.15 PM. Various visitors, after tea till 9 PM. Took a *Campanula* in kitchen window in back!

31st Aug. Another nice day after a fine night calm & muggy, but a slight drizzle commenced about 3 PM. & continued off & on till dark. Received & planted near *Erica maritima*, twigs of various coloured *Erica cinerea* from Keith Lamb, who had found them on The North Mountain, S. of Wexford Harbour (Saw letter of 20th Aug), also a piece of white *E. tetralix*. Got a lot of garden rubbish burnt during day.

1st Sept. After a dull misty morning with heavy drizzle, a fine afternoon, with drizzle coming on once more at 4.30 PM. mild & calm, except during fine spell when E. breeze sprang up. D. drift W. all day. Mr. Stewart St. Marys Park came in afternoon & brought plant of *Veronica* (? *spicata*) & I gave her some of *Trillium*, *Babingtonia* (white), *Sax. oppositifolia*, *Sax. longifolia*, *Myrtle*, *Monarda*, & *Silene*.

13 2nd Sept 1966. The night, dull & drizzle & very warm but no sun in early afternoon but overcast, too wet after sunset. I was out till evening. Saw things from W. Backed up trans. pictures taken in winter traps 1959-60, with some local views, 200 in all, to send Mr & Mrs. Galtley for their winter shows. In afternoon cut Barber's hedge along front wall & talked a long time with a man named Rush, who stopped in passing for a chat.

3rd Sept. After a dry night, a fine morning, but dull & drizzle, but I got back home & most of path in weeds cut before rain drizzle came on & lasted off & on all afternoon. Later they cleared & we had an hour hot sun before sunset when temperature dropped at once.

On this day we cut our first self grown pears - one each - two 'Williams' Bon Gration' from one of the cordons.

4th Sept. After a fine dry but dewy night, a fine dry clear day with W. wind & considerable warm sun which helped to dry up the garden - Sunday.

In afternoon Daisy & I walked via Donald Lodge ruins & bridge, deep to the former upper (now middle) bridge over the Glen River & home by the forest lane. Saw one plant in flower, or *Erigeron* *laetiflorus* in the usual place near top of the hill E. of the bridge, but most of the cotton, wiped out earlier in the year. The down S. of the road was believed out. Much cooler in evening than usually.

5th Sept. A very nice day, with only slight drizzle now & then in forenoon, so that I was able to get first thin cut of good potatoes made in afternoon & evening respectively.

6th Sept. After a wet night rain or drizzle continued till midday & cleared again in late afternoon but fine for a couple of hours in early afternoon, when I transplanted cuttings of *Skimmia* (upper part) & replaced them with cuttings of *Erica* etc. (with sp. of *Daboecia* *canadensis* etc., *D. canadensis* from 1. Galtley 1959, *D. praegrisea*, *Phyllocladus*, *Carriage* (2 spp.), & *Erica* *canadensis* (with sp. Took 2 *Chalcids* in garage, the smaller of which was caught in a spider web (dead) = *Eridolus* *biannulatus* or sp. 25. Also in garden took a beetle = *Staph.*

Red Admiral Butterfly in back garden at 4 P.M.

7th Sept. A very nice day, after a dry night, mainly cloudy, & during night & forenoon wind fresh & westerly, later light & variable. Used flower gun in front drive in forenoon, had bonfire & cut grass later. Also in forenoon had visit from Mr Wood & gave him 2 half of heather trigs received on 31st August from Kitt Lamb, from "The Forth mountain" Wexford.

8th Sept. Not sun & no wind for most of the day but in late afternoon & evening wind from SW. rose to gale force & broke a lot of things like *Cornus* & *Chysothamnus* which in the recent warm wet, & calm weather had grown too tall. Gale continued until the early hours of the morning. *Bombus terrestris* first seen again on *Panicle*. Red Admiral Butterfly seen in back garden in afternoon.

9th Sept. 1966. Gale followed by some rain before dawn preceded a mainly calm & sunny day, with no breeze in afternoon but no rain & much hot sun. In forenoon weeded & planted some seedling *Berberis* along Antonian hedge. Cut grass in front lawn in afternoon. *Bombus terrestris* 9 seen more on *Panicle* by garage & for first time this year I saw one of *S. lepidus* in back garden on *Coronilla* etc. Also the Red Admiral of which I took 4 photos. at 3.45 range 1/30 sec. exposure. Then cut some *Viola* on to L. filig. Finished a roll of Kodachrome film with photo of *Viola* alpine & posted same for processing. *Chalcids* (which I had taken) which had no doubt emerged from some *Staph.* for *Daboecia* *canadensis*.

10th Sept. After very heavy dew during night & very nice day with much hot sun, which moderate & clearing during midday but light westerly in evening, rising at bedtime to strong. Warm. In forenoon I saw winter, Mr Goldwell & saw 3-4 Red Admirals on a bush of *Escallonia* in the garden. In evening cut paths in weeds. The better taken in window in garage =

11th Sept. Sunday. After slight rain at night & fine forenoon but drizzle & rain commenced about 3 P.M. Wind very strong southerly during night but soon died away after breakfast & calm during drizzle in afternoon. While Mr P.W. Wood & I were in garden about 10 a.m. a *Staph.* butterfly appeared & hid on a stone in front of us. Evening calm & deep.

12th Sept. A nice dry day, calm, with much sun. Weeded, had bonfire & cut back lawn.

13th Sept. After slight shower during night & very nice morning with hot sun but clouds appeared about noon & subsequently cloudy, with slight drizzle about 4.30 P.M. Had bonfire.

14th Sept. After some heavy rain during some hours of the night, a nice forenoon & early afternoon but at 4.30 a rain formed to E. & rain fell for an hour or more subsequently but cleared later. Much colder! but front lawn just before rain.

15th Sept. After a stormy night, & cold wet misty drizzle fell all forenoon, then cleared, & then came rain, & wind fluctuated between NE & SW. The NE breeze, having won the afternoon war, & we collected leaf-mould in the Donald Lodge wood for 1st time this autumn. Next morning for inland, sheltered, areas in W. & S. tonight, but not likely we will have any here in Newcastle.

16th Sept. Milder, after a cold night & heavy dew, but mainly dull & cloudy, with shower at 5 P.M. & later. A peal of thunder at breakfast time, ca. 8.30 A.M. Red Admiral seen in front garden at 1 P.M. Weeding, digging & cleaning up generally. We had our first fire in sitting room for this autumn.

17th Sept. A most wretched, damp, drizzly day, with much haze & hill-fog, after a wet night, but no wind - only light & variable draughts - though cloud drift apparently NE. Could do nothing in garden! Collected cones in afternoon.

18th Sept 1960. A fine bright sunny day, after a cold night. Sunday.
Becoming cloudy from SW in evening.

19th Sept. A showery day, with NW wind. Bizzing in afternoon.

20th Sept. A fine clear, cold sunny day, with strong (at times) NW wind after a clear night. 'But first class' in forenoon & spread further than in afternoon, as follows: - 1 oz. super phosphate, $\frac{1}{2}$ oz. Am. sulphate, $\frac{1}{4}$ oz. Sulphate of potash + $\frac{1}{2}$ lb. sand per sq. yard. This to kill moss, discourage clover & stimulate grass. An experimental patch in lawn tried a fortnight ago & this seems successful as regards the moss.

21st } 20th & 21st dull & drizzle in afternoon, fine weather, but bizzing in P.M.
22nd } Fine clear cold, clear night, with frost warning. ^{21st & 22nd Ant. 29.}
23rd } 22nd & 23rd dull & drizzle in afternoon, but 22nd & 23rd Ant. 29.
24th } 23rd & 24th dull & drizzle in afternoon, but 23rd & 24th Ant. 29.

24th Sept. A most beautiful & sunny day, with no wind. George & family arrived at 10.30 AM to spend the day & R.C. Faring & his wife at 5 P.M. To spend the night. Had letter from Robert Selinger, Copenhagen, saying he was now prepared to tackle the Orthocentrus (Ichneumonidae) & was willing to lend him my material. Two years ago I had suggested he would take up this group & if he did promised him my coll. in loan. ^{many hours' work}

25th Sept. Another dry day, but till-fog in forenoon & clouds till 5 P.M. when clear skin gradually reached us from the north. The Faring left about noon. In afternoon Daisy & I collected cones. Sunday.

26th Sept. SE gale all day, but dry & mainly sunny about midday. When Daisy saw a Peacock Butterfly in back garden. Hiding!

27th Sept. SE gale continues, after blowing all night. But front lawn had bonfire, & continued burning.

28th } Sept. E.E. wind, with gusts of gale force continued day & night. The
29th } James' Broomrape plants between us & Anderson's Bank & shrubland. And bonfires, weeds, cut wazzy path, & other odd jobs.

30th Sept. SE gale continued day & night, but dry & not very cold. The salt lads wind doing much damage in garden. Took in Feb. Helix. ^{Ant. 20.}

1st October 1960. E. gale continues, dry till 4 P.M. when rain commenced & fell heavily all night, with severe gale. During this & previous days heavy rain, with cloudbursts has fallen in S.W. England, particularly around Exeter & at Newport in 1 of Wight, where it is estimated that $3\frac{1}{2}$ inches fell in one hour but as the official rain-gauge was submerged the exact amount will never be known.

2nd Oct. Rain & E. gale continues all day, sometime heavy & sometime light. Towards evening wind backed to S, but rain & wind continued as before.

Sunday (Daisy saw a Red Admiral in his morning garden & there were many
3rd Oct. Sand martins (possibly a few Swallows) about in afternoon. ^{some of them}

3rd Oct. 60. ^{cont.} A very nice, warm, mainly sunny day, but a little drizzle in afternoon. Took small beetle in garage window.

4th Oct. A fine early morning, after a dull night with rain but jam formed about 9 AM & considerable rain fell from 9.30 till 11 AM. then fine & sunny for rest of the day. Sand martin again seen (possibly Swallows) about midday, though only a few odd ones seen since many seen migrating on 24th Sept. Daisy left for a day's shopping in Belfast by 8.30 AM bus & returned home at 4.45 PM.

5th Oct. A rather poor dull day, with drizzle & NE breeze most of forenoon & very dense till fog all day. John Peters came over to view Mr. Gray's cabinet of Lepidoptera which is to be auctioned tomorrow, but decided cabinet was too big & collection useless for his purposes. Prepared to send late R.H. Phillips letter to Nora Fisher in Billan or loan, so that she can extract notes on the Virgatus & other mollusca he found in deposits of the River Suir & Barrow in Waterford & Wexford. ^{first 84 of species of Virgatus seen in garage on windows}

6th Oct. A dull, very damp, misty, mild day, but no rain. Garden & very wet & no drying. In afternoon I collected leaf-mould about Donald Lodge ruins. A large flock of House Martins seen at midday.

7th Oct. Dull & damp, same as yesterday, but milder & the House Martins again seen at dinner time i.e. between 10 & 2 PM. In afternoon collected leaf-mould at Donald Lodge. Moved the 2 plants of *Lonicera* with the blue berries & replaced them by moving the 2 species of *Barriope* as these now being over-shaded by the *Agave*. A thick dew about 8.30 in evening & light mist out for a while.

8th Oct. Same damp & dull weather, calm. A shower about 8.30 AM, but no more rain fell before 11 PM. The flash of lightning last evening struck a transformer near Castleallan & caused a fuse to blow & some time & hence our momentary black-out. No House Martins seen today!

9th Oct. Drier & with dry N or NW wind so that the lawn was dry for the first time for nearly a fortnight Sunday. In afternoon we had a walk in the plantation & saw the *Virgatus* *hirsuticornis* in flower in the drain by the upper (old) avenue E. of the Glen River. Owing to a clearing out of the drain during the summer the colony is now reduced to one plant.

17 10th Oct 1960. Very dry & sunny in forenoon with strong NW. wind so that I was able to cut the front lawn in comfort. In afternoon I paid a visit to Mr. Livers & gave him seed samples from *Dobocia cantabrica* var *praegerae* & *Phyllodoce*. He has promised to try to germinate the seed, provided it proves viable.

11th Oct. A cold, windy day (NW. wind) with a few heavy showers. In afternoon we collected sticks in plantation.

The first snow of season reported from Scotland & a kind of melted snow fell here in forenoon.

12th Oct. A dry, cold, sunny day, after a clear dry night, with only one shower at 1.30 P.M. Wind still NW. but light & dying away & backing W. in afternoon. Needed daylight of greenhouse, had bonfire & we cleared vegetable marrow plant.

13th Oct. A most perfect winter's day! Nearly all warm sun, but with cold N. breeze. In afternoon transplanted the two *Daphne laureola* from in front of house (in lawn), then they have been moved to back garden W. of greenhouse & below upper path, putting broken slabs of "cannon mortar" as bottom of hole & filling in with compost, horse manure & "PLUG".

Quite a few House Martins & I think, Swallows about. From

1.30 till 4.30 P.M. in spite of cold wind. ^{angitia (Diocletian) exaristatus ♀} ant. 25 taken in kitchen.

14th Oct. Another beautifully sunny day with cold N. breeze. Needed greenhouse roof with "Sylphos" & in afternoon planted one old & 3 young plants of an Almond given me by Mr. & Mrs. Stewart: the old plant N. of the lawn opposite Mr. Crawford's garden & the young next Anderson's fence where the rock comes to the surface. Saw no Swallows, but at 4.30 P.M. the Rocks coming from Glendun direction passed over with much "cawing" towards Tollymore Park.

15th Oct. Another nice fine sunny & calm day. Collected leaf mould in aft.

16th Oct. Similar but more cloudy & a change coming. Sunday. In aft. walked round by Tollymore Park & home. ^{15.10.60} ^{16.10.60} ^{17.10.60} ^{18.10.60} ^{19.10.60} ^{20.10.60} ^{21.10.60} ^{22.10.60} ^{23.10.60} ^{24.10.60} ^{25.10.60} ^{26.10.60} ^{27.10.60} ^{28.10.60} ^{29.10.60} ^{30.10.60} ^{31.10.60} ^{1.11.60} ^{2.11.60} ^{3.11.60} ^{4.11.60} ^{5.11.60} ^{6.11.60} ^{7.11.60} ^{8.11.60} ^{9.11.60} ^{10.11.60} ^{11.11.60} ^{12.11.60} ^{13.11.60} ^{14.11.60} ^{15.11.60} ^{16.11.60} ^{17.11.60} ^{18.11.60} ^{19.11.60} ^{20.11.60} ^{21.11.60} ^{22.11.60} ^{23.11.60} ^{24.11.60} ^{25.11.60} ^{26.11.60} ^{27.11.60} ^{28.11.60} ^{29.11.60} ^{30.11.60} ^{1.12.60} ^{2.12.60} ^{3.12.60} ^{4.12.60} ^{5.12.60} ^{6.12.60} ^{7.12.60} ^{8.12.60} ^{9.12.60} ^{10.12.60} ^{11.12.60} ^{12.12.60} ^{13.12.60} ^{14.12.60} ^{15.12.60} ^{16.12.60} ^{17.12.60} ^{18.12.60} ^{19.12.60} ^{20.12.60} ^{21.12.60} ^{22.12.60} ^{23.12.60} ^{24.12.60} ^{25.12.60} ^{26.12.60} ^{27.12.60} ^{28.12.60} ^{29.12.60} ^{30.12.60} ^{31.12.60} ^{1.1.61} ^{2.1.61} ^{3.1.61} 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24th Oct. 1968 Another entirely dull day, with light E. wind, but although air very damp, no rain. Had bonfire & enlarged hole in front of house where the *Daphne* were & removed soil down two spits & replaced with stones & compost.

25th Oct. A similar day to last but wind W. & very light. Donard Nursery delivered the plants I ordered from Mr. Wood on 23rd. Some I got planted, see plan below.

26th Oct. Dry & with considerable sun & light NW breeze. A very nice winter's day, with a feeling of spring almost when the sun was out. Continued & finished the planting of the shrub I received from the Donard Nursery yesterday & below is a catalogue & location of the new plants. Both *Iris stylosa* & *I. reticulata* with flowers today. While *Cydonia* *Rovellana* seedling *matrona* *Lemmon* *galeobdolon* & the first flowers on the first *Hamamelis*, have flowers on them. Dahlias, *Cosmos*, *Crocus*, & other summer plants still in flower so that in spite of the great damage done by the early gale of 26th Sept - 2nd Oct. we have quite a show of bloom in the garden.

27th Oct. After more rain at night, a very wet forenoon, but afternoon dry, dull, chilly. Wind mainly NE.

The following plants received from St. Donard Nursery: —

- | | |
|---|--|
| <i>Rhododendron</i> "Scanty of Littleworth" | } Planted on border along
border by the barn in front
garden; see map in diary
under date of 26.4.58. |
| <i>Azalea</i> "Pencil" & <i>Azalea</i> "Harvest moon" | |
| N. <i>Camellia salweenensis</i> forma | } Planted N. to S. in row of plots in front
of hall door, where <i>Daphne mesereum</i>
formerly were, plus a new plot to soil. |
| W. <i>Hamamelis mollis</i> | |
| S. <i>Camellia willowii</i> J. P. Williams | |
| <i>Becheria stenophylla corallina compacta</i> | } Planted in front
border front garden
See map under date
of 28 Nov 1957. |

21.

29th Oct. More rain in early morning & drizzle till noon with NE breeze. The afternoon was, however, dry but dull & windless. Saw Daisy & I walked up to the new bridge over the Glen River & home by path on E. side of the falls.

30th Oct, Sunday. After a heavy dew, a mainly dull & misty, but dry day.
In afternoon we walked through Donald Lodge woods to above the Harbour
& 1/2 mile beyond & saw few plants of Pinguicula lusitanica in the drain beside
the road as before. Also saw the Scattered (common) out to sea & what appeared
to be two Dicranum at entrance to harbour but light & mist made it impossible
to be sure. On return home caught a ♀ Hemiteles sp., ant. 31 on wall of
house at hall door. Collected a reddish Erigeron growing on boulder along at
base of stream-channel, E. of the old railway from harbour to quarry on N. face
of The Millstone Mt. to send Mr. Fitzgerald, some time!

2nd Nov. Gale from SW. cont. till 3 P.M. & then slackened to occasional gusts. In afternoon we collected leaf-mould. Cold.

3rd Nov. Heavy sleet showers before dawn. Weather cleared
about 9 A.M. & a nice cold day seemed certain, but
about 11 A.M. a very fine cold mist drizzle came from south
over the hills & this gradually increased to rain as wind veered
to E.W. & by 4 P.M. Shin Donard had a considerable snow
cap down to about 2300 feet - the first snow of the season
so far as we are concerned. By 5 P.M. the snow
was on Shanshore down to 2,000 feet.

On this day the smallest - "Christmas Cactus" (that given me in 1956 by Mr. Patterson) bore its first flower of the season, having been brought into the house a few weeks ago from the greenhouse where it & the larger plant had spent the summer.

2.11.60 cont.

^{forenoon}
5th Nov. What should have been a dry, cold, sunny day with NW breeze was spoiled by arrival of a "secondary" with wind backing to SW & increasing - yesterday afternoon & drizzle & rain set in at 11.30 & lasted till about 2 PM. Thence fine. Had just got a bonfire started when rain commenced & spoiled everything. Nevertheless, got a good deal burnt. During the night some kind of a "whirlwind" must have passed across the garden & sucked out of a "shrubland" must have passed across the garden & sucked out of a rose of greenhouse twisted the White Azalea & made it a pile so that its stem ran cut just above ground & near Mahonia so that its stem ran cut just above ground & the same to the big mouse chestnut "Warley Rose". Took many cuttings off the broken Azaleas & planted some just W. of the seat by the house. This Azalea was grown from a piece taken off the original plant on way from Donald nursery & had made a nice plant about 15' high.

6th Nov. A lovely cold, sunny day, after similar night. Sunday.
In afternoon we walked up to new bridge over the Glen River & thence by new
road to the big quarry on N. face of Thomas & Millstone Mts. & home
via the old tramway from the quarry to Ardara & Donard Lodge.

7th Nov. After first real frost of season, with ground frozen in garden & thin ice on tubs at greenhouse, a lovely bright day with warm sun. The plants ordered in 19th Oct. from Knopshill Nursery arrived in afternoon & stored in Garage, as there will be frost again to night.

23. 8th Nov. 1960. Frost round during night! A fine day spoiled by SE-SW gale over the hills & in lower strips of drizzle between 10.30 & 11.30 AM. After that dry & windless till late evening. Sun & wind arose from SE.
- As soon as rain stopped I prepared holes for the *Agave* & *Rhododendrons* received yesterday from Knapp Hill Nursery & in afternoon I got them safely planted in border next Anderson's fence (See map). I also transplanted the little *Agave* received from Mr Wood on 23rd Oct (see p. 18, ante) to border at "Clothes Line" to replace the dead "Zampa" (No. 3 in list of 8.4.1956).
- 9th Nov. After heavy rain at night, a dry mainly sunny & mild day, but towards bedtime a new & deep depression to SW brought increasing wind & no doubt rain to follow. In afternoon we collected leaf-mould above Donard Lodge ruins.
- 10th & 11th Nov. Both pretty wet & stormy (SW). Collected leaf-mould on both afternoons. *Pimpla eximialis* ♀, ant. 29, taken in house? see pine cones.
- 12th Nov. A drizzle of some rain for 24 hrs. but had been through very soft & wet before dawn. In afternoon rain off & on but no wind. Just short-walks after afternoon tea. Evening & night fine & calm.
- After tea Miss Kentland & her friend Dr. Jane Taylor, temporarily teaching Mycology at Queen's University Belfast. Dr. Taylor has recently returned from U.S.A. A ♀ *Epitoma praevaria* taken in house, ant. 22, ? see pine cones.
- 13th Nov. A wretched day after a fine night. Torrential rain from S-SE came on shortly after 10 AM & lasted till 3 PM. It then cleared & we went for a walk to see the Donard Falls, which were very fine. Remembrance Sunday.
- 14th Nov. After another fine night a replica of yesterday but rain not quite so heavy but rain did not clear off till evening.
- 15th Nov. After a day & rather windy night, bright sun till 2 PM. but wind strong & cold. I had a bonfire & got nearly all rubbish burnt before the rain came on at 3 PM & lasted a couple of hours. Then cold, windy (SW) but dry. Saw a ♀ *Vespa vulgaris* in front garden at noon.
- 16th Nov. A nice bright sunny, cold, day. Collected leaf-mould in woods & planted second specimen of *Agave Golden Orchid* from Knapp Hill Nursery E. of Hamamelis. Caught 1st ♂ (*Chortichneumon* near *semirufus*?) in house? from cones?
- 17th Nov. After frost at night & hazy dawn, all sunny, calm & cold. Collected leaf-mould in woods.

18th Nov. 1960 After quite a hard frost, a beautiful sunny, calm day, calm & warm in sun, but while frost on uppermost 500 ft. of Donard was changed & really in their in shade till late afternoon, when it began somewhat to clear. Some *Thrushes* singing here & there during the day.

Admission is free but members will be required to produce this notice at the door.

Under the rules of the Club, each member has the privilege of

will be held at
The Museum and Art Gallery, Stranmillis Road (by
kind permission of the Libraries, Museums and
Art Committee of the Belfast Corporation and
the Museum Director)

A CONVERSAZIONE

BELFAST NATURALISTS' FIELD CLUB.

TUESDAY, 7th OCTOBER, 1958 from
6.30 p.m. till 9.30 p.m.

on

DOLOGY
RY
.2

a sunny forenoon & cloud
collected leaf-mould
of scale day Tuesday
again before bedtime
and about 8 E. breeze
some parts for replacement
evening. Very deep &
led over to the east
at 2.12 PM collected
in room. Rain & rising
to about noon!
afternoon with drizzle &
in forenoon, milder later.
in garden, &?
wind drops, calm
rain though occasional
afternoon
after some more rain
at walk in afternoon to the
wind W. & strong at times
after noon. Mr. Mafford
1. wind & occasional
to the S. side of
led & next to
area
Nixon
at times heavy rain,
at about 8 PM.
(Sun) & birds mentioned!

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will be held at
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TUESDAY, 7th OCTOBER, 1958 from
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Admission is free but members will be required to produce this
notice at the door.

Under the rules of the Club, each member has the privilege of

R.C. Faris records: specimens not kept.
Dec. maculipes ♀ Farinman, CV. 22.5.39.
" *longicaudata* ♀ Butler's Pt., CV. 18.5.39.
" *semirufa* miki ♀ Farinman, CV. 11.5.39. 8.20 PM.
Pez. gonatopium ♀ " " "
Dec. affinis ♀ 3 m W of Shijo SL. 28.5.39.
Aenone hian Doonee Rock SL. 29.5.39.
Met. scutellator ♀ Farinman, CV. 6.6.39. 8.0 PM.

TEL. KELVIN 2231



DEPARTMENT OF ZOOLOGY
THE UNIVERSITY
GLASGOW, W.2

7.VII.59

Dear Mr. Stelfox,

Thank you very much
for the reprints and for the addresses
of Mackauer and Stary. I'll be writing to
them within the next few days.

Thank you once ²agin for all
your help.

Yours sincerely,

A.F.G. Dixon

20707 A.F.G. Dixon

Daemusa ninella Nix.? AWS. Nixon agrees!
Arch. Abbey, Do (1) 21.6.57

Gyroampa sp. ♂
" ? small erbelta " AWS

= sp. ~~A~~? Nixon

Dec. innana Nix.? " AWS. unlabelled by Nixon
so?

L. Neayh, AN. (2) 26.6.57.

Some ²¹ ~~Paranthus~~ ^{Sarfly} returned by Nixon Oct. 1960

Dacnusa areolaris 4 / Athdown WI 19.6.49.

Lauderston KD. (4) 14.8.49.

Lucan, DU (2) 19.8.48.

M. Kilbride WI. (1) 11.6.52

D. cf. areolaris ♂ AWS. = *D. ?? sp.* "fide Nixon"
Killegan, WI. 26.8.43.

[Sarfly *Pachyneuratus kirbyi* (Dall.) ♂
fide R. B. Benson. Lauderton KD. (4) 14.8.49]

Oxylobus maculatus Kieffer. ♂ AWS. Nixon agrees!

Tollymore Park DO. 7.10.57.

Belyta forticornis. ♂ AWS. Nixon agrees

Tollymore Park, DO. 12.10.58.

Leptorhaptus monilicornis ♀ AWS. Nixon agrees.

Donard Lo. DO. (1) 20.9.58.

"*Cremastus longitarsis*" AWS.

= *Cryptoserphus aculeator* Hal. ♀ fide Nixon

Tollymore Park DO. 9.6.57

Zygote himiptera T. ♀ AWS. Nixon agrees.

Donard Lo., DO. (1) 20.9.58.

"*Pantolyta fuscicornis*" ♀ AWS. = *Zygote himiptera* [Nixon] fide

Tollymore Park DO. (1) 8.9.57.

"*Dacnusa cytherea*" ♂ AWS = *D. sp. cytherea group* fide Nixon

Woodend, WI. (1) 5.6.52.

Dacnusa tesmia Nixon. fide Nixon.

Killington, WI. (2) 18.5.52.

Do - do. fide Nixon

B'c'ly, ST. (4) 9.6.44.

P.T.U.

23 8th Nov. 1960. Frost went during night! A fine day spoiled by SE-SW gale over the hills & a heavy drizzle or drizzle between 10.30 & 11.30 AM. After that dry & windless till late evening. Sun & wind arose from SE. As soon as rain stopped I prepared holes for the *Agave* & *Rhododendrons* received yesterday from Knap Hill Nursery & in afternoon I got them safely planted in border near Anderson's fence (See map). I also transplanted the little *Agave* received from Mr Wood on 2.3.60 (see p. 18, notes) to border at "blossom line" to replace the dead *Zampa* (No 3 in list of 8.4.1958).

9th Nov. After heavy rain at night & a dry, mainly sunny & mild day, but towards bedtime a new & deep depression to SW brought increasing wind & no doubt rain to follow. In afternoon we collected leaf-mould above Donald Lodge ruins.

10th & 11th Nov. Both pretty wet & stormy (SW). Collected leaf-mould on both afternoons. *Pimpla "examinator"* 4, ant. 29, taken in house: ? ex pine cones.

12th Nov. Ordered print of some colour photos for Xmas. But back lane through very soft & wet before dinner. In afternoon rain off & on but no real for a short walk after afternoon tea. Evening & night fine & calm. After tea Miss Kentland & her friend Dr. Jane Taylor, temporarily teacher, mycology at Queen's University Belfast. Dr. Taylor has recently returned from U.S.A. *Epitomus proximus* taken in house, ant. 22; ? ex pine cones.

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17th Nov. After frost at night & hazy dawn, all sunny, calm & cold. Collected leaf-mould in woods.

18th Nov 1960 After quite a hard frost, a beautiful sunny, winter day, calm & warm. A rain, but while frost on uppermost 500 ft. of S. Hill. Donald rain changed & really no thaw in shade till late afternoon, when it began somewhat at intervals. Collected leaf-mould in woods. Song thrushes singing here & there during the last few days.

19th Nov. After rain in early night & slight frost later, a more forenoon & cloud, dull afternoon, but no rain fell till after midnight. Collected leaf-mould in afternoon. Cold & getting milder.

20th Nov. After heavy rain in early hours, a dull day, mild calm day. Sunday. We had a walk in the plantations in afternoon. Rain again before bedtime.

21st Nov. After heavy rain in night & drizzle all day, with low clouds & E breeze. In afternoon we went into the plantation & rain, at home part for *Cratichneumon* to replace those which were broken in gale a few weeks ago.

22nd Nov. After another very wet night, a dull windless forenoon, but a SE breeze springing up about noon led to bright periods in afternoon & evening. Very damp & fairly mild. Spent an hour in afternoon with Mr. Livers.

23rd Nov. After more rain at night & a trough passed over to the east, quite a good dry day, with SW light wind & on stiff rain at 2.15 PM. Collected leaf-mould in afternoon, did weeding & clearing up in forenoon. Rain & rising wind in evening. Two ♀ *Vespa vulgaris* in greenhouse about noon!

24th Nov. After a dry windy night, a fine forenoon, but afternoon with drizzle & rising S. wind to almost gale in evening with light rain. Cold in forenoon, milder later. In afternoon had walk in plantation, in forenoon clearing up in garden, etc. *Epitomus proximus* taken in house, ant. 22; ? ex pine cones.

25th Nov. After rain at night, a damp mild day, with cold drizzle & rain, calm. In afternoon had walk in plantation, in forenoon clearing up in garden, etc.

26th Nov. More rain at night & a dull damp day, but no actual rain, though occasional spots, colder, with variable light breeze. Collected leaf-mould in afternoon.

27th Nov. A clear, cold, sunny day, with cold NW breeze, after some more rain at night. Frost forecast for next few days. Sunday. Had walk in afternoon to the shepherd's cottage & back.

28th Nov. A dry, cold, mainly dull day, after a dry night; wind W. & strong at times but dying away in evening. Collected leaf-mould in afternoon. Mr. Redford called in evening.

29th Nov. Quite mild & very damp, with strong SW. wind & occasional light drizzle. Transplanted the early ♂ *Salix* & *Furcia*. *Salix triandra* (from Co. Louth) to the S. side of the wiggly near Anderson's garden shed & next to Furcia's *Salix nigricans* & a local *S. cinerea*. Pruned the *Euonymus* in wiggly & took several cuttings.

30th Nov. After a mild misty night, a mild day, with drizzle & at times heavy rain; wind rising to gale from south in afternoon, but dying away about 8 PM. Planted in pot in greenhouse for Mr. Redford's cutting of *Phyllocladus* *Dalmanii* (W. galley) & *Cratichneumon*! *Epitomus proximus* taken in house, ant. 22; ? ex pine cones. Also *Cratichneumon* *semirufus* & ant. 24; ? ex pine cones.

25 1st December 1960. After rain at night, a mainly dry day with strong cold SW wind & some sun in forenoon. Dull in afternoon, with wind dropping & sun appearing. In afternoon we delivered my propagator's report of my collection of ferns to Mr. Davies who told he would look at them at home, as he had said he wished to do.

2nd Dec. After a dry, cold, windy (SW) night, a similar day, but sunny day, with strong cold SW wind till 2 P.M. then wind dropped & sun appeared about 6.30 P.M. & wind (SE) again rose. In forenoon I cut long grass, & along sides of path in wazzy. In afternoon we collected leaf-mould & cones.

3rd Dec. After a windy night with squalls of rain, an entirely dull windy day - wind S. - with several squalls of rain & fierce blasts of wind. Milder.

4th Dec. Sunday. A very wild day with squalls of rain & wind at gale force, though mainly sunny in forenoon. Heavy flooding, once more in South & mid England & river Wye at Hereford reported 18 feet above normal & still rising, notwithstanding to avoid whole county of Lincoln, & 10,000 houses flooded in Cardiff. Had short walk in afternoon in the plantation!

5th Dec. Light snow seen on Shire Donard & St. Donard's above 2,500 ft. in afternoon, which I don't think was there at breakfast time! A cold windy but dry day, after a similar night. Strong gale in forenoon but wind dying away in afternoon. A green day I cut front lawn though ground very soft. In afternoon collected fernwood in plantation. One or two greenish early flowers on Mr. Calderwell's Forsythia in Shanshire Drive.

6th Dec. After some rain at this level during night the snow-line down to summit of Shire-na-brack (ca. 1250 ft.) & higher hills now well covered. A cold, dry, calm day here, but cloudy though blue sky seen to west all day. In afternoon collected leaf-mould. In forenoon staked Raspberries over & put ropes to hold up the Arbutus badly bent over - recent gales as the old tree-ropes had broken.

7th Dec. After a frosty night, a cold fine day, with no thaw in shade. Calm. A part of the day (2 P.M.) followed by rain & rain again during night about 2 P.M. then frost. Collected leaf-mould in afternoon.

8th Dec. After rain & frost, a fine day, cold, winter day, with much sun till this set behind Thomas Mt. at about 1 P.M. Frost came on again about 11 P.M. so I lit lamp in greenhouse. Collected sticks in afternoon. An apparently adult cock Blackbird with no trace of tail feathers has frequented back garden for several days.

9th Dec 1960 After heavy rain in early hours after midnight frost again occurred before dawn, but from sunrise till noon slipped behind Thomas Mt. at 1 P.M. we had continuous sunshine with very cold light to moderate W. wind. Surface in garden lifted as usual. Frost & small plants left high & dry! In afternoon we collected leaf-mould. Clouds gathered from NE. towards evening & a slight shower of rain occurred.

10th Dec. A fine dry, cold, day, after a dry night, with only slight frost if any. Considerable sun but when NE. wind. First flower open on the larger plant of the Christmas Bacter, the indoor Agave (indica?) given us in 1958 by the pupils of the Stranmillis Training College, Belfast.

11th Dec Sunday. After a dry night & no frost, an entirely cloudy day. Calm & dry in forenoon, but with falling glass & steady rain began just after 2 P.M. & continued for the rest of the day. Snow-line on the hills has not appreciably altered since 6th mid.

12th } Bright sunny day, absolutely calm with frost at night (very hard on night of 12th)
13th } & a queerer frost than I have had in greenhouse (temp. not hit!) but showers of rain
14th } each night also. Rain in evening of 14th & apparently less cold at last time than in afternoon. Collected leaf-mould in afternoon of 12th & 13th & cones on 14th. Snow-line on hills much the same & amount on St. Donard seems the same too.

15th Dec. My 77th birthday! After slight shower & later very hard frost during night, a dull day with much white fog, becoming milder from 11 A.M. onwards, but no rain. In afternoon we had a walk in the plantation. No wind till later in afternoon, then NW rising later & again dropping, when pinning cards. Parasitica this evening based on 1000th pin since last August!

16th Dec. A rise of about 20°F. from 14th! A dull, calm day, with much hill fog & the snow on the hills rapidly melting. Collected leaf-mould in afternoon. Very damp after frost!

17th Dec. Similar to 16th. Very mild, calm & very damp. Flower buds beginning to show on Sax. oppositifolia & Sax. apiculata, & few flowers opening on Hamelis mollis in back garden.

18th Dec. After a wet night, wet mist & drizzle prevailed till midday but cloud came gradually & cleared SE. & replaced in late aft. by clear sky & prospect of frost. Today I found my Erica, s.c., cuttings in garden all pulled up by recent frost & lying about loose. Hamelis mollis in back garden now almost in full flower. Sunday.

19th Dec. After rain & frost a night, a very cold day, with keen N. wind. Snow only left in patches above 2,500 ft. on the hills. Collected sticks in afternoon. Rain again in evening, now on hills. Death of J. Beck, moon in paper this morning. He died on 17th.

27th Dec. 1960. Hills again snow covered this morning & light snow down to 700 ft. & lower inland. Also light frost which continued in shade all day. Had bonfire & got much all the refuse from garden which had been lying to decay in greenhouse for some time. Not a cloud in sky over us all day, light NW wind cold. In afternoon collected more sticks in plantation.

28th Dec. Another cold, bright day but not all sunny nor so cold as yesterday & a few slight skiffs of melted snow. Wind W. moderate to fresh at times in evening. Telephone man came to install our telephone. In afternoon we visited Mr. Lupton to whom I had sent colour transparencies & the projector. Some slight snow in late evening.

29th Dec. Much milder, wind W. SW. with drizzle on hills & inland but much dry here. Telephone man brought line to house from garden in Sharnbrook Avenue & we now await the instrument. George & family arrived for lunch at 5 P.M. Snow on SE Donard again reduced to patches above 2,000.

30th Dec. After heavy rain before dawn, a mild & dry day, with light W. breeze, improving with blue sky & some sun from 12.30 noon onwards. With help of George & he saw or collected a dozen spotted rocks from the plantation for drying of moss. Agates laid in back garden.

31st Dec. A day, calm, dry, but W. breeze cold at times. In afternoon George & family & I collected some at St. David's Lodge.

1st Jan. A cloudy, calm day, with early morning.

2nd Jan. Except in afternoon when we went to the woods to collect sticks & berries, day with heavy showers of rain, sleet & hail, & snow on higher ground. Severe gale from SW. in evening.

3rd Jan. Cold, strong SW. wind & at times of gale force but all sunny & no rain fell here. Collected leaf mould in afternoon.

4th Jan. A fine cold & sunny day with light SW. breeze.

5th Jan. Similar, but wind rose in evening to severe gale with heavy rain for several hours before midnight, then cleared off. South to SW.

6th Jan. Wind rose again from SW. & blew fresh all day, & gusts of gale force in late evening, but dry & considerable sun in forenoon. Snow now reduced on SE Donard to the drifts in the gullies behind the Eagle Rock.

3rd Dec. 1960. A day of strong, very cold but dry SW. wind. Started to prepare border in NW corner of back garden for the *Phlox subulata*, *Agathis*, & other plants just ordered from Hillier's Nursery, Winchester, & which I hope to receive about first week of February! Collected leaf mould in afternoon.

1961.

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1<sup>st</sup> January 1961: Sunday. A wretched day: cold & windy (S) with very heavy rain shortly after noon, & lasted till bedtime, but not cold enough for snow on the hills.

2<sup>nd</sup> Jan. After a clear night, wind at first then about calm, & fine sunny forenoon. Clouds gathered from north about noon & rain commenced at 3 P.M. & was very heavy, but the S-SE wind fell calm as the rain started. Perimeter falling steadily & snow low, as if for snow transplanted via *Grass* cuttings along our W boundary to fill gaps between cuttings put in last year. Had small bonfire before rain.

3<sup>rd</sup> Jan. After snow on high ground & up to 3" around N. Donard (Bangor), with light covering down to 500 feet, but by afternoon the snow lies considerably higher. Everything very wet in garden, wind NW moderate, & considerable sun & blue sky.

4<sup>th</sup> Jan. A very fine winter day after a dry clear frosty night. Entirely sunny & not a cloud over us, with NW breeze. Cold. Spent most of day cutting up dead tree with iron, which was blown off ditch by the burn & into Crawford's garden. Between iron & wire fence nailed to it this was unscathed & in finished job.

5<sup>th</sup> Jan. Rain all day! Some on Hill & down out of Tullybrannigan, but not at all of the terrible heavy days.

6<sup>th</sup> Jan. Sun all day. Finished clearing stump & very out of Crawford's garden. Too busy on Winter Aconite ready to open.

7<sup>th</sup> Hard frost before dawn, then milder, then a depression approaches. Wind SE, rising, after calm night. Heavy rain & gale from SE commenced at noon, followed by sleet & then rain & gale from SW. in evening.

4♀ *Epitomus proxima* taken in lower ant. 23: very fine cones.

29th Jan, During night wind backed S. or SE again. I rose to gale with heavy rain & the day passed with frequent squalls of some SW. wind & occasional showers. Mild. Many Snowdrops now out in rock garden & one single Crocus (the dwarf deep yellow sp.) almost out. Last flower of winter *Christina* *Christina* just going over.

31. 30th Jan. 1961. A very nice sunny day till 3 PM. when a severe shower of fine hail fell after a dry night: wind SW & fresh. I was then enabled to cut the grass in the wiggly in forenoon & the front lawn in afternoon. Wind rose later & we had a windy dry night.
- 31st Jan. After a dry dawn clouds spread from S. at 8 AM. & a steady drizzle commenced about noon, gradually turning to snow which began to fall about 3.30 PM & continued to fall till dusk. Two *Brocneas* (yellow) were ready to open yesterday, but no further in today, one in rock garden, the other on way to front gate. The *Sax. spicata* in front border with several flower spikes almost out, while that in rock garden are only just showing as separate buds on the cushion.
- 1st Feb. Snow fall <sup>(about 2 inches deep)</sup> ceased before midnight & a slight thaw followed so that roofs, etc., were clear of snow by dawn & thus continued all day from considerable sunny periods, but the hills noticed white & snow deeper inland than on St. Bernard. <sup>Received notice from Hilliers that shrubs ordered had been dispatched on 30th Jan.</sup>
- 2nd Feb. After some rain during early hours, which was over by 9 AM, a fairly fine day, almost windless in afternoon, with slight sunny patches. Mist fog formed about 3 PM. and slight drizzle & rain in the hills continued to melt.
- 3rd Feb. After slight rain & later slight frost at night, a cold sunny day till 3 PM. & then cloudy, rain setting in about 7.30 PM. & wind rising after being calm all day.
- 4th Feb. A windy day, after some rain at night, wind SW, but some sun in early afternoon. Bull & Duetone, again in evening. Collected last night. Miss Coleman's *Blue Enchirid* with several flowers just opening.
- 5th Feb. After a very wet night, a mild, misty day, again turning to drizzle & rain in late afternoon & wind (SW) rising in evening with gusts of gale force.
- 6th Feb. After another wet night, a blustering, showery day: with terrific gusts of gale force & squalls of rain - especially in evening. Some fresh snow on St. Bernard above 1,500 feet fell during the night & the wind was very cold during the day. Hearing saw a flash of lightning about 5 PM but we heard no thunder.
- 7th Feb. After a wild night with at least one heavy sleet squall, quite a good day with sun in forenoon & no showers: wind S. SW. cold dying away in afternoon as another trap, but with warm front, approaches from SW. Spent part forenoon & afternoon cleaning up ledge & sides of burn near front gate. First Purple *brocnea* out by front drive!

- 8th Feb. 1961. Very mild & damp, after a wet night, with strong gusty S.W. wind & drizzle & hill fog till afternoon. The sky cleared but wind remained squally, but no rain before bedtime. Out back the clump of moist sedges in rock-garden. They were yellow *brocnea* now in flower.
- 9th Feb. After rain at night & strong S-SW wind, a fine forenoon, but afternoon dull & calm. The shrubs, etc., ordered from Hilliers of Winchester were delivered at 12 PM today, having been dispatched on Monday 30th Jan. With Daisy's help these plants were unpacked & stored in garage for the night. Two deep purple *brocnea* in front of the garden appear in flower.
- 10th Feb. Excuse for visit to B. Gibson to get an injection of iron at 1.30 & to attend the funeral of St. Edmund of W. Ireland at 2.30. I spent the day planting the larger shrubs received yesterday afternoon of which I will insert a list & plan of planting as soon as possible. A lovely mild day & after noon almost calm with considerable sun & no rain, though a little fell during the night & the soil was still very wet.
- 11th Feb. After a dry windy night, showers commenced at 5.15 AM & were frequent till afternoon when again dry: wind very strong with gusts of gale force. Could do no more planting in garden, but potted the stock of *Helleborus agrippae* (12) & *Erica carnea* to keep in greenhouse till winter in case. Also potted the little fern *Asplenium montanum*, now leafless.
- 12th Feb. Sunday. After more rain & a calm night, wind (SW) rose about 8 AM & blew fresh all day, but we had no showers & it was very mild, so that I got the remainder of the plants from Hilliers planted out & a rough plan made of the border along the path by the burn at bottom of back garden. Wind dropped about 6 PM, but puffs began to be heard once more at 9.30. One *Primrose* flower peeped up during the day beneath the *Agala penta* but was not open at 5 PM.
- 13th Feb. A dull day with cool strong S-SE wind: mild in shelter & no rain. A hill fog covered the tops all day so could not see if any snow patches remained or not - probably a few in several places below 2,000 ft. on 12th. <sup>See p. 33 → 15 Feb.</sup> *Rhododendron tosa* with many flowers almost open & many other signs of Spring, such as many flowers on *Panicle galathea* by the burn. Flowering current by burn with 1st flower open.

14th Feb 1961. Still mild but after rain at night a dull day with hill-fog & light drizzle. A SW wind dropped about 11.45, & a chilly SE breeze came in off the sea, but afternoon drier. *Sax. oppositifolia* from Bane Haven distinct in flower - 3 small ch. p. - & the Swardon plants almost out. Buds of *Chionodoxa* up & coloured, which in 3 weeks earlier than normal. The *Primrose* had reported on 12th now open. *Daphne blagayana* at last well in flower & many flowers wide open today, after hanging fire for several months. Honey Bees at *Mahonia* flowers, as usual, last week. <sup>{*Epitoma praeceps* 9. 2. 22 } on windows in house & see cones!</sup> Small moth.

15th Feb. After a dry night with heavy dew (almost hoar frost) a perfectly marvellous forenoon, following the partial eclipse of the sun at 7.40 AM, which we did not see as small cloud on horizon obscured the sun till it was over. At noon the sun was so hot in back garden that I was almost baked & the wind shifted (SW) to be not felt. After lunch a cold & strong onshore (E) wind drove in a cold, damp, mist from the sea, but cleared later, though E. breeze continued & kept temperature down. Summit of St. David & St. Bridesday seen in forenoon for first time for several days. & we saw that a few small snow drifts still lay in gullies, etc., from 2,200 ft upwards.

About 11.30 AM. Daisy called me to see a ♀ *Bombus lucorum* in the greenhouse. It was trying to get out & may have spent the winter there, but as the door had been open since 9 AM it could just as likely have gone in by the door. Half an hour later Miss M. Collier called to me from her garden that she had seen a Bumble, but of course I don't know if this was the same specimen or not.

Spent the day cleaning up the sides of the burn opposite Mr. Warren's *Chionodoxa*, *Rhodo. tosa* no further on, but *Rhodo. cilpinense* distinctly so, & one small red flower on a shrub given me by Miss Murray & planted against part of Anderson's fence near rock exposure: it looks like a kind of *Leptodermis*, but may not be. Daisy spent most of day removing plants of *Poa annua*, etc., from path & especially that along Anderson's fence, from whence come its seeds & those of other weeds.

16th Feb. One flower on *Sax. opp.* from Banehaven near Anderson's garage, on 17th Feb. Dry windy days, mainly dull on 16th - more same on 17th but cold wind from SW spoiled what would have been nice mild days. *Rhodo tosa* in flower on 16th.

18th Feb. 1961. After a little rain before midnight a very nice day & all morning & calm in afternoon. *Chionodoxa* first flower full open & signs of growth & spring everywhere.

19th Feb. Except for a strong S. wind this was a perfect all round spring day. Sunday! Hence after dinner we packed afternoon tea & set out for Banehaven - up the hill to the gate of Tollymore Park, along outside the wall of same, across the moor to the Belfast water works building at end of the tunnel & thence home through the plantation.

20th Feb. A fine dry day with many forenoon & mainly windy afternoon; wind SE-E strong in forenoon, falling towards evening. St. David's nursery delivered 9 plants - a periwinkle list - which I have planted in border facing the burn just W. of the Raspberries in back garden, except one just W. of the seat in same border & the *Primrose* which I planted SW of the greenhouse below upper path where it will be visible from sitting room window, and the *Erica umbellata* which I have kept in its pot in the greenhouse for the present. But front lawn. St. David's gone!

21st Feb. After another dry night, a dry day, but quite dull with cold E wind which veered S. & dropped in late afternoon. <sup>*Bombus lucorum* seen on *Mahonia*.</sup>

22nd Feb. Another cold, dull dry day, but E wind never more than light. Spent day cleaning up burn W. of garage, before, & scuffling on the surface of the soil now reaching under influence of E wind. First flower open on *Sax. apiculata* in rock garden & many flowers on *Sax. opp.* from Swardon ready to open if milder. The *Rhododendron cilpinense* & Knaf. Hill *R. praecox* near Anderson's fence now in full flower. Also the newer *R. praecox* in front garden.

23rd Feb. Still colder & entirely dull, with thin smoke haze. More clearing of the burn & then a bonfire.

24th Feb. Heavy rain from the early hours till mid-day, then a dry afternoon & evening. No work in garden. Called on Mr. Warren in afternoon.

25th Feb. Similar to yesterday. Perhaps worse!

26th Feb. Very heavy rain & semi-gale from S-SE. in forenoon, but in aft. we walked to the Harbour & home through Dore & Lodge plantation.

Wind severe from SE & whipping the tops off the trees like smoke.

27th Feb. Only one shower at first P.M. & wind light SW after a clear night. Collected leaf mould in afternoon. Our *Fernoxia* & *Hebe sempervirens* in flower.

28th Feb. After another fine night, drizzle started about 10.30 AM & continued till dusk, with strong westerly all night, but went calm & then light NW during day, rising again in evening. Mild!

1st March 1961. A most perfect day today, calm & with hot sun all day, except for an odd cloud over St. Donard. First *Viola odorata* in flower. Also the young plants of *Erica medeolensis* but not the older plants in rock garden. *Bombus pratorum* ♀ & *B. lucorum* ♀ - one each - in back garden in afternoon about 3 P.M. Spent day cleaning up the island in the burn in back garden at the Guller Rose, as it had got choked with grass, etc., during the wet winter. Could not see the plant of *Saxifraga canadensis*, but hope I did not dig it up. The bush of *Corylopsis pauciflora* got a week ago from Hillier's now covered with flowers. He took photos. of *Rhod. ciliaceras* & *Chionodoxa* & also took one of *Sax. aff. (Grandis)* & *Sax. apiculata* in better light: exposure 1/20 sec.

2nd March. After heavy squalls with rain at night, another fine sunny day, but wind W. stronger & cooler than yesterday, though dying down in afternoon. Several Bumblebees heard, but the only one identified was a *B. terrestris* ♀ at flowers of *Rhod. ciliaceras* at 3 P.M. Removed labels off all recently planted *Rhodod.*, *Azalea*, etc. bought from Donard, Knaphill & Hillier's nurseries, as satisfied with the various "maps" I have made of their positions. Many of these now showing signs of soon flowering. Many of the commoner plants, such as *Hydrangea*, *Geranium*, *Blue Viola odorata*, white form, & the local native *Viola riviniana*. *Saxifraga* are in flower along the roadside, & I expect to say so are *Crocus* & *Primula*!

3rd March. A dry day after a dry night & with considerable sun: windy S to E in forenoon, calm in afternoon, with occasional strong gusts from S. about 5 P.M. Mr. Hanna & his wife & I completed the re-wiring of garage to take a truckle charger to charge the battery driven mowing machine I am getting from Blith of Birmingham. Saw ♀ *Bombus lucorum*!

4th March. A very nice day after a dry night, much calm & with considerable sun in afternoon, mild & mainly dull in forenoon. Saw ♀♀ of *Bombus jonellus* (1) & *lucorum* (several).

5th March 1961. After a dry, sunny night, a cloudless day, but with strong S-SE wind. Sunday. In afternoon on way up to the Green Hill picked up a ♀ *Varpa vulgaris* on the footpath & put her in Daisy's hedge. Saw *Bombus lucorum* ♀♀ in garden & a *Dionea* fly (*Exochus* - *tenax*). Escaped thousands of *Saxifraga* seedlings (several weeks old) nothing of much interest in the woods, but from several woods (old) nothing of much interest in the woods, but some larches covered with green leaf shoots. Took photos. in forenoon in sunlight at 1/60 of a record of *Chionodoxa* & *Primula* of *denticulata*; none seen. In evening after a calm spell the wind increased & blew at gale force for some hours without any appreciable fall in glass, which stood at 30.5 all day.

6th March. We awoke to find a complete calm which lasted till bedtime. Almost entirely cloudy, very mild & almost humid air. Spent most of day cleaning banks of the burn in front of garage & had bonfire later. Posted Lansbury's box of Irish taken *Hyemoptera* back to him at Hope Museum, Oxford, with my list of species. First flowers open on main slope of *Erica medeolensis* in back garden.

7th March. After a heavy dew at night another mild & calm day, considerable sun at mid-day. Spent most of day cleaning up banks of the burn in back garden & had bonfire afterwards. At 2.50 P.M. saw the first *Bombus agrorum* ♀ sunning herself by the burn in front garden & later in afternoon saw to my surprise watched a ♀ *Bombus jonellus* gathering pollen (&? nectar) from the bush of *Corylopsis pauciflora*, which indicates that she was feeding larvae.

8th March. Another perfect & sunny day, calm after a dry night. At 11 A.M. I saw on a willow in the wuzzy what I thought might be a Chiffchaff & immediately afterwards, both Daisy & I heard it sing.

This is a very early date for this summer migrant but it has been reported from many places in Britain as spending the winter there & heard singing last month during a warm spell. *Bombus jonellus* seen at flowers of *Ulex europaeus* in wuzzy & several *B. lucorum* ♀♀ seen also.

Daisy saw a Small Tortoiseshell Butterfly & Miss M. Collier also reported "a Butterfly" shortly afterwards - probably the same one.

Spent most of day cleaning mud out of the burn & pond in the wuzzy & then cut front lawn before tea.

31. - 9th March 1961. Another dry day, but a strong easterly wind made it much less pleasant than the previous days in spite of some sun.  
10th March. A much nicer day with light S.W. breeze & considerable cloud. Shower about midday but we got only a few drops. Took natural views at 3 ft. 13th of 1st second exposure in weak sunlight of Snowden. Brecon & Mynyddog Ss. opposite Llanidloes, one of Peter Anderson & finally one of Cydonia "Ravallion Sheddin" to finish the roll of Ilford new colour film "Ilfordchrome" which I have been trying for first time. Planted slips of an Erica sent me by R. C. Farn from a Belfort garden in 6" pot in greenhouse. New plant of Rhodod. punctatum between Birch trees with 2 flowers open & many other Rhodod. & Asas. now with coloured buds. Bombus jonellus (very small ♀) & B. lucorum ♀♀ seen in back garden. Pear & Apple scabion buds now nearly in flower. Soldanella alpina in flower.

[illegible][illegible]

19th March. Sunday. Student from Shramli. <sup>Vol. 1. 1st. 2nd. 3rd. 4th. 5th. 6th. 7th. 8th. 9th. 10th. 11th. 12th. 13th. 14th. 15th. 16th. 17th. 18th. 19th. 20th. 21st. 22nd. 23rd. 24th. 25th. 26th. 27th. 28th. 29th. 30th. 31st. 32nd. 33rd. 34th. 35th. 36th. 37th. 38th. 39th. 40th. 41st. 42nd. 43rd. 44th. 45th. 46th. 47th. 48th. 49th. 50th. 51st. 52nd. 53rd. 54th. 55th. 56th. 57th. 58th. 59th. 60th. 61st. 62nd. 63rd. 64th. 65th. 66th. 67th. 68th. 69th. 70th. 71st. 72nd. 73rd. 74th. 75th. 76th. 77th. 78th. 79th. 80th. 81st. 82nd. 83rd. 84th. 85th. 86th. 87th. 88th. 89th. 90th. 91st. 92nd. 93rd. 94th. 95th. 96th. 97th. 98th. 99th. 100th. 101st. 102nd. 103rd. 104th. 105th. 106th. 107th. 108th. 109th. 110th. 111th. 112th. 113th. 114th. 115th. 116th. 117th. 118th. 119th. 120th. 121st. 122nd. 123rd. 124th. 125th. 126th. 127th. 128th. 129th. 130th. 131st. 132nd. 133rd. 134th. 135th. 136th. 137th. 138th. 139th. 140th. 141st. 142nd. 143rd. 144th. 145th. 146th. 147th. 148th. 149th. 150th. 151st. 152nd. 153rd. 154th. 155th. 156th. 157th. 158th. 159th. 160th. 161st. 162nd. 163rd. 164th. 165th. 166th. 167th. 168th. 169th. 170th. 171st. 172nd. 173rd. 174th. 175th. 176th. 177th. 178th. 179th. 180th. 181st. 182nd. 183rd. 184th. 185th. 186th. 187th. 188th. 189th. 190th. 191st. 192nd. 193rd. 194th. 195th. 196th. 197th. 198th. 199th. 200th. 201st. 202nd. 203rd. 204th. 205th. 206th. 207th. 208th. 209th. 210th. 211th. 212th. 213th. 214th. 215th. 216th. 217th. 218th. 219th. 220th. 221st. 222nd. 223rd. 224th. 225th. 226th. 227th. 228th. 229th. 230th. 231st. 232nd. 233rd. 234th. 235th. 236th. 237th. 238th. 239th. 240th. 241st. 242nd. 243rd. 244th. 245th. 246th. 247th. 248th. 249th. 250th. 251st. 252nd. 253rd. 254th. 255th. 256th. 257th. 258th. 259th. 260th. 261st. 262nd. 263rd. 264th. 265th. 266th. 267th. 268th. 269th. 270th. 271st. 272nd. 273rd. 274th. 275th. 276th. 277th. 278th. 279th. 280th. 281st. 282nd. 283rd. 284th. 285th. 286th. 287th. 288th. 289th. 290th. 291st. 292nd. 293rd. 294th. 295th. 296th. 297th. 298th. 299th. 300th. 301st. 302nd. 303rd. 304th. 305th. 306th. 307th. 308th. 309th. 310th. 311th. 312th. 313th. 314th. 315th. 316th. 317th. 318th. 319th. 320th. 321st. 322nd. 323rd. 324th. 325th. 326th. 327th. 328th. 329th. 330th. 331st. 332nd. 333rd. 334th. 335th. 336th. 337th. 338th. 339th. 340th. 341st. 342nd. 343rd. 344th. 345th. 346th. 347th. 348th. 349th. 350th. 351st. 352nd. 353rd. 354th. 355th. 356th. 357th. 358th. 359th. 360th. 361st. 362nd. 363rd. 364th. 365th. 366th. 367th. 368th. 369th. 370th. 371st. 372nd. 373rd. 374th. 375th. 376th. 377th. 378th. 379th. 380th. 381st. 382nd. 383rd. 384th. 385th. 386th. 387th. 388th. 389th. 390th. 391st. 392nd. 393rd. 394th. 395th. 396th. 397th. 398th. 399th. 400th. 401st. 402nd. 403rd. 404th. 405th. 406th. 407th. 408th. 409th. 410th. 411th. 412th. 413th. 414th. 415th. 416th. 417th. 418th. 419th. 420th. 421st. 422nd. 423rd. 424th. 425th. 426th. 427th. 428th. 429th. 430th. 431st. 432nd. 433rd. 434th. 435th. 436th. 437th. 438th. 439th. 440th. 441st. 442nd. 443rd. 444th. 445th. 446th. 447th. 448th. 449th. 450th. 451st. 452nd. 453rd. 454th. 455th. 456th. 457th. 458th. 459th. 460th. 461st. 462nd. 463rd. 464th. 465th. 466th. 467th. 468th. 469th. 470th. 471st. 472nd. 473rd. 474th. 475th. 476th. 477th. 478th. 479th. 480th. 481st. 482nd. 483rd. 484th. 485th. 486th. 487th. 488th. 489th. 490th. 491st. 492nd. 493rd. 494th. 495th. 496th. 497th. 498th. 499th. 500th. 501st. 502nd. 503rd. 504th. 505th. 506th. 507th. 508th. 509th. 510th. 511th. 512th. 513th. 514th. 515th. 516th. 517th. 518th. 519th. 520th. 521st. 522nd. 523rd. 524th. 525th. 526th. 527th. 528th. 529th. 530th. 531st. 532nd. 533rd. 534th. 535th. 536th. 537th. 538th. 539th. 540th. 541st. 542nd. 543rd. 544th. 545th. 546th. 547th. 548th. 549th. 550th. 551st. 552nd. 553rd. 554th. 555th. 556th. 557th. 558th. 559th. 560th. 561st. 562nd. 563rd. 564th. 565th. 566th. 567th. 568th. 569th. 570th. 571st. 572nd. 573rd. 574th. 575th. 576th. 577th. 578th. 579th. 580th. 581st. 582nd. 583rd. 584th. 585th. 586th. 587th. 588th. 589th. 590th. 591st. 592nd. 593rd. 594th. 595th. 596th. 597th. 598th. 599th. 600th. 601st. 602nd. 603rd. 604th. 605th. 606th. 607th. 608th. 609th. 610th. 611th. 612th. 613th. 614th. 615th. 616th. 617th. 618th. 619th. 620th. 621st. 622nd. 623rd. 624th. 625th. 626th. 627th. 628th. 629th. 630th. 631st. 632nd. 633rd. 634th. 635th. 636th. 637th. 638th. 639th. 640th. 641st. 642nd. 643rd. 644th. 645th. 646th. 647th. 648th. 649th. 650th. 651st. 652nd. 653rd. 654th. 655th. 656th. 657th. 658th. 659th. 660th. 661st. 662nd. 663rd. 664th. 665th. 666th. 667th. 668th. 669th. 670th. 671st. 672nd. 673rd. 674th. 675th. 676th. 677th. 678th. 679th. 680th. 681st. 682nd. 683rd. 684th. 685th. 686th. 687th. 688th. 689th. 690th. 691st. 692nd. 693rd. 694th. 695th. 696th. 697th</sup>

20th March. Dull, cold & very windy (NW.). Had visit  
in evening from Bob Roberts & Marion Forry of Stennett.

21st March 1961. Spent forenoon at Mrs. McNaughten's house, 100, Bedford Road, Bangor. Took 7 photos, in garden, particularly of her double white cherry which she calls "The Queen of the Garden". The *Geoffodites* in full flower as well as some *Asplen* & *Camellia*, though the *Camellia* was only just coming into flower. <sup>Garden reported a ♀ B.</sup> *Camellia* in garden.

In afternoon Graham & I went to St. Anne's House & helped to interest the Stranmillis College students in their Nat. Hist. studies. We swept & took a few *Hymenoptera*, including *Pimpla obliqua* 2 ♀♀, *Chorebus* *scutellator* ♀, *Hamulid* sp. ♀, ant. 20. *Phygadeuon* cf. *maius* Grav. minute ♀, ant. 17.

A dry cold day N. wind. *Chorebus* (R) *nervosa* ♂ ant. 23. D. (R) *antennalis* ♂ ant. 21. *Corebus uliginosus* ♂ ant. 24. D. (R) *campestris* ♀ ant. 23. D. (R) *longicauda* ♂ ant. 22. <sup>Roveto. 22</sup>

22nd March. Spent morning discussing a spp. of *Decorus* with Graham. In afternoon we joined the Stranmillis students in the garden S. of Marlborough House & swept a few *Decorus* & other insects. Looked for one of (*D. (Chigarcha) andersoni* ♂) with between legs, black spotted at extreme base. A very pleasant & mainly sunny day, with light N-NW. wind.

23rd March. Spent forenoon discussing *Paracorus* with Graham; in afternoon gave good watering to recently planted *Rhodod.* & *Agalea*, etc. Graham left at 6 P.M. for bus to Liverpool boat at Belfast on way home. Still dry with light, keen, W. breeze. *Phylodendron* *decidua* in flower.

24th March. A nice sunny forenoon, with a little drizzle & a slight shower in afternoon. Some of the Stranmillis party came in afternoon & Marion Foran, Skiller & (last time) Elliott stayed for tea.

25th March. We had a slight drizzle this afternoon, but I had to water as many of the new plants as possible in the evening. Wind SW. strong & cold.

26th March. Mainly cold NW. wind & sunny, but an hour's drizzle & rain with SW. wind in morning preceded change to NW & sudden rise in barometer. "Midday & Summer Time!"

26.3.61, cont. In afternoon we walked up road to the west & inspected road on N. face of Drumahaire, & the road W.S. side of road & road.

27th March. A very cold & dry day, with moderate, biting-cold NW-W. wind: much sun, but cloudy periods. A bit of frost in forenoon, but had to spend late afternoon & early evening watering *Agalea* & *Phylodendron*, as some signs of distress. Frost foulest! Saw *Chorebus pratensis* gathering food at *Lithospermum* & *Rhododendron*.

28th March. Another dry day after a cold night, but no frost: milder with SW-S. wind & gusts, at times, with much sun & some cloudy periods with spot of rain, but not even a recognizable drizzle. First *Primula sectica* flower open; *Rhodod. Elizabeth* flowers also open & other *Rhododendron*. & *Agaleas* now in flower on very nearly 70.

I have had to spend 3 hours yesterday & two tonight watering as we are now dried up. Took 5 or 6 photos in garden at 1/20 second exposure, ending with two in front garden, still misty & very strong. Wind rose about 4 P.M. & a slight shower before bedtime.

29th March. South-east strong wind all night & thick drizzle from early hours onwards. After a fine & often sunny midday, a drizzle set in about 4 P.M. as wind (SW) dropped to calm & continued much to our delight till bedtime - at about 7.15. In afternoon I planted 2 more rows of potatoes in upper plot, the more water with 6 Home Guard & 2 Water Shifters & the rest with 2 Water Shifters. At 7 P.M. (03.3.71) a ♀ *Chorebus pratensis* was seen gathering food from flowers of *Laminium galeobdolon* in heavy drizzle! *Rhododendron "Saphire"* & *Rhodod. "Blue Diamond"* now in full flower & out for a week at least, as well as *schoda. hippophaeoides*, which is very like it! *Agalea canadensis* also out.

30th March. One of my little red *Agaleas* ("Zoea Lake") stolen from front border since yesterday - torn up, leaving broken root, showing. We are told that two gipsy women were around bagging yesterday afternoon! After strong SW. wind & drizzle all night wind shifted on day with a bit of drizzle - sometimes heavy! - continued till about 3 P.M. at which time wind had veered to NW & temperature dropped considerably. A fine calm, cold evening followed. Jackdaws attacked & did much damage to Daisy's first two rows of peas, so that we had to cover some with wire netting like the *Strawberries*.

31st March. A dull, mild, damp day with hill fog & occasional drizzle. Considerable growth in everything. *Primula nivalis* given me in return by the Messrs Murray now in full flower on N. bank of the burn at Ballypaul & first flower open on *Heathcliff* near front gate - a very lovely white for the "May". *Primula* flowers, almost over & less visible. Took more photos (4 or 5) ending in *Laminium galeobdolon* exposures all 1/30 sec. Light good but sun not quite out in west.

41  
1st April 1961. Drizzle all day after a damp night. Calm.  
Gathered at first, later milder. George & family arrived at 10.30 AM  
& spent day with us. Finished preparing the box in which shrubs, etc., came  
from Hillier's in week (12) ago, to make a small cold frame for garden.  
2nd April (Easter Sunday). A day cold day with light W. breeze; mainly cloudy &  
only blinks of sun; after a dry night. Rhodod. 'Yellow Hammer' with 6 flowers  
open. Finished a roll of Kodachrome film with 1 photo. in garden (1st sec. ex.)  
in pale sunlight at 10.2. in plantation in afternoon (exposure 1/30 sec. but  
less not for f4, instead of f5.6, a light not too good). The first of these  
last 2 focused at '0', i.e. about 1/2 ft. & the last at 'infinity' to see result.  
Will post film tomorrow. Some bluebells already in flower in plantation.  
3rd April (Easter Monday). After a sharp frost which opened some of  
the Azaleas in flower & completed round of Rhodod. 'Elizabeth' & 'Helen'  
damaged severely (as last year) the young growths of *Chamaecyparis*  
*millianiana* & the two *Camellias* in the wiggly, we had a very  
beautiful sunny day, with sun in, but cold air & light N.  
wind. Both species of *Camellias* now in flower.  
4th April. A cold, miserable, wet day, with E. wind falling in afternoon  
to calm. Drizzle started at 9.30 AM & continued to afternoon with  
some haze before rain & hill fog afterwards. R.C. Faris arrived  
by car from Dublin at 11.30 PM, his object being  
to discuss the preparation of a 'List of Irish Scarflies' for the  
R.I. Academy. This project was agreed on & a scheme considered.  
*Arum maculatum* by lawn in front garden with one flower open.  
Both *Phytolacca rufipennis* & *aleutica* now in flower, the first  
pale yellow, the latter white tinged pink. The *Geranium* & *Oxycorymbus*  
*Spiraea nemoralis* both with first flowers open. *Primula verticillata* E of greenhouse  
now in flower.  
5th April. Drizzle or rain most of the day: cold with E. wind in morn-  
ing - forenoon, SW in late afternoon & quite mild when I went to  
see Mr. Quinn. Strong wind for a time about 9 to 10 PM, & then  
calm all night. No trace of *Sceloporus* seen by myself or by Mr. Quinn.  
6th April. After a dry mild night a rather dull day with variable very  
light breeze. Cut both front & back lawns, made pit for cold frame  
& filled it with cut grass for a hot bed.

7th April 1961. After an attempt at frost a most perfect sunny day  
with very light but keen E-NE breeze. North forecast for 12th  
night to come & not a cloud in sky at sunset. Took 2 photos on  
new 20 film Kodachrome - 1st of Rhodod. 'Elizabeth' & *Primula verticillata* exp. 1/250  
in weak sunlight. But grass & wiggly & I did scuffling, also finished  
cold frame (or hot bed), covering two layers of cut grass with compost & the  
cold frame (or hot bed), covering two layers of cut grass with compost & the  
house wall with 2 inches of sand & peat on top. The frame 32" x 19"  
covered with a sheet of glass purchased at auction on Wed 28/4.  
8th April. A great contrast to yesterday. After a dry night, but no frost,  
today we were enveloped in smoke haze all day, with a late afternoon  
when wind changed from E to SE or S & cold rain fell, but no rain fell  
until about 10 PM & then rain. Got all accumulated smoke burnt during the  
day. Dug up the *Thalictrum flavum* in border facing the wiggly, as it was  
bedraggled & nuisance to its neighbours, & planted some bits along N. side of the lawn  
in the border & with the *Primula* in the pond bed by some young *Salix*  
seen & seen (3 rows) nothing new seen. I think a dead one seen covered  
with moss & not in bloom. Planted cuttings of *Juniper* for *Juniper* Patrick  
under bench in greenhouse. *Korokia cotoneaster* & *Janie Thomson* *Allium*  
(from her garden, 26, Saggot St. Dublin) both in flower. 9th (Easter Tuesday)  
9th April. After a wet night, SE wind & drizzle or rain all day, except for a hour  
in afternoon between 2.30 & 3.30. Then no rain or drizzle. Sunday.  
10th April. Much as yesterday after a wet night, but wind went S-SW & rain  
cleared off in afternoon & I got some sundry done in back garden &  
finished digging up the *Thalictrum flavum*. Took 5 photos, in  
garden ending with one of the two species of *Camellia* in good  
light: exposure mostly 1/60 sec. including that of the blue *Veronica*  
*spicata*.  
11th to 13th April. Both mainly wet after wet night, with but  
during midday a cold E. wind. Heavy rain off the sea on 13th.  
We had some sunny intervals & the afternoon was dry.  
Began to make steps from drive down bank to the house  
between house & front gate on 11th & finished it on 13th, out of  
concrete blocks. Planted beneath the steps & planted ferns  
taken last autumn from the Killarney fern case including  
*Scelopandrium* & other species which came from Dublin in the case.  
I have seen no *Scelopandrium* since we came to Newcastle.

14th, 15th, 16th April in dining room  
windows

43

14

12

164

17

7

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19.

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21

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27<sup>th</sup> April 1961. A fine day - finished planting potatoes in new plot. Rows 1-6 & 8 planted with Solan. 2 rows 5 & 6 must have been part of row 7, of which the ten lowest rows cut taking the top of row 7 with them. Golden Wonder & all rows & only. Almost entirely cut down.

28<sup>th</sup> April. A very fine day after very wet first, but no damage done even to first rows of potatoes. Spent day clearing up & cut flowers.

29<sup>th</sup> April. After light rain at dawn a very nice day.

In afternoon Miss Forryth of Belfast-Museum came to see garden with her cousin S. Forryth of Belfast & her uncle & aunt (Mr. & Mrs. Neville) from S. Africa.

30<sup>th</sup> April. A very sunny day, but a few heavy "April" showers. Sunday. In afternoon we walked to Tollymore Park (Barrinford gate) & up Raggio's Pad & home via the quarry & the sheep fold.

Taken a couple of Lich. & a or two in the Park & saw *Andrena fuscipes* ♀♀ & *A. fuscipes* ♂♂ on meadow, also *bumblebee* & *lady* & below gate.

When walking on way up Raggio's Pad in Tollymore Park:-

*Andrena fuscipes* ♂ *Hemiteles* sp. 20<sup>th</sup> or 21<sup>st</sup> 11.2.61, others seen.

1<sup>st</sup> May 1961. Rain commenced at 8 AM & fell almost throughout the day & wind of first, becoming colder in afternoon: wind strong at first & varying between S & E, later light & more variable.

2<sup>nd</sup> May. After a fine night rain again commenced just after 8 AM. & fell in heavy showers - sometimes prolonged. - Till evening with hot sunburst between, but cold during showers. First 2 flowers of our roses opened yesterday on the old deep red rose from Aunt Jessie Pender's garden.

3<sup>rd</sup> May. After a fine night a nice dry sunny morning for some time, during which I helped Miss McLeod to plant Potatoes. During heard a cuckoo - the call coming from the moor above the plantation on Drimilly. The afternoon was spoiled by heavy showers but after tea I got the back lawn cut. *Colchicum majus* in flower & the burn in back garden.

4<sup>th</sup> May 1961. Then Swift rain on garden on 4<sup>th</sup>! All day of heavy showers & bright periods with hail & thunder on afternoon of 6<sup>th</sup> or which evening Mr. & Mrs. Caldwell & Mrs. C. brother, Mr. Blair (son-in-law of my old friend Sir James Blair!) & Mr. Blair (2<sup>nd</sup> wife!) came for share of my transparencies. Taken on our holidays in the west of Ireland in 1959 & 1960. Mr. & Mrs. Blair are to occupy the new bungalow on Slieve-na-Brock Ave. at the back of our garden. On evening of 5<sup>th</sup> three of the Stranmillis Training College visited us, namely Mr. Harding, Stanley Skiller & Paula Banfield. Mr. Harding gave me names for some of the plants he had brought me in March & others, as follows:- The little *Prunella* in pot is

1. *P. melanocarpa* (spelling) "*Chamaeleon*" (a yellow seedling)!

2. *Cornus capitata* planted in wiggly near my bridge on track.

3. *Prunella pulcherrima* group: the "mealy" species from Delphi, W. Mayo.

4. *Aethionema* sp. 1<sup>st</sup> plant given me by Mrs. Black last year.

on 6<sup>th</sup> I took a small *Hemiteles* sp. out 22.5.61 (at Mullagh) on hedge winding in large.

7<sup>th</sup> May. A wild day with frequent very heavy showers & gale force gusts of wind from the west but sunny intervals. colder & possible frost forecast for to night. Saw one Swift at tea time.

8<sup>th</sup> May. Westerly gale continued all day & going strong at 11 P.M. Much damage in garden, flowers & even trees blown off Rhododendrons, etc.; young trees stuffed of ardon pear

next house, & all young trees & shrubs damaged, & all pane of glass off greenhouse (mended in afternoon). Wrote note on sick *Stilbop. limnerisiformis*, I had seen & will post to morrow to Hobby for E.M.M.

9<sup>th</sup> May. After a dry night & some light drizzle between 8 & 9 AM a fine sunny day with W-NW breeze & promise of frost tonight. Had bonfire & mounded up (covered) all except the 4 nearest rows of potatoes which are now 6" to 8" tall. About 2 P.M. swept for wasps 20 minutes in wiggly, etc. for first time this year - mainly off *Salix* sp.

47 G.S. 61, cont. From Wexley, 21 Tollymore Park, Co. DC.

+ took the following insects: —

Sampla 2 = *Hemiteles hypocanthus* ♂ a *Pentane*

*Hemiteles* cf. *dimidiatus* ♂, ant. 22. *Theridion* ♂, ant. 20 =

*Leptocryptus* ♂, ant. 28 = *Angitia* ?

*Euphorus* 1 = *E. microcerus* Thoms. (♂ ?), ant. 18.

*Ichneumon* cf. *small* ♂, ant. 25.

*Opius* cf. *clausus* ♂, ant. 24.

*Alysia truncator*, small ♀, ant. 34.

*Bracon* (R) *areolaris* 1 ♀ (♂ & ♀) apparently all this species: none mtd.

*Aphidius salicis* ♀, ant. 13: agree well with Marshall!

*Cynipids* 2 not mtd.

*Beetle* 1 = *Gramoptera tabacivora* (from memory) ?

*Proctos.* 2: one minute *Bracon*-like only mtd.

*Chalcids* 18: sent to Graham.

10th May. After a cold night + heavy dew, but no frost, followed by a hot sunny day.

11th May. Similar to 10th but cooler, cloudy in afternoon. Collected by stream + in Wexley in back garden + in rock garden + took the following: —

*Helictes rubicundus*, *leucopus* (♂ ? ♀ ?)

*Andrena* cf. *viridis* ♀ in Hawthorn } seen.

*Andrena* cf. *viridis* ♀♀

*Andrena* cf. *viridis* 2 ♂♂, many seen.

*Andrena* cf. *viridis* ♀ =

11.5 G.S. 61, cont. Back garden Tollymore Park, Co. DC. (45)

*Cratichneumon fabricator* 2 ♂♂, 5th inst. : ant. 37 & 38: the smaller dark was *imperator*!

*Leptocryptus* 2 = *Leptocryptus* 30. ♂ ant. 25

2 Gen. et. sp. ? ♂ (ant. bitten off short) = *Hemiteles* "cf. *tricolor*" ♂, ant. 22.

*Bracon* "tricolor" ♂, ant. 19 } 15 mtd., ant. 19 }

*Theridion* ♂ (one bill abd. black, ant. 24, the other mainly reddish, ant. 20) = {

*Oenone hians* (? ♂) ant. with wings half spread! ♂ ant. 35.

*Ichneumon* cf. *erubescens* (♂ ?), ant. 38. *D. semirugosa* Hal. ♂, ant. 36.

*Proctos.* 2: one only mtd = *Exallonyx microcerus* ♀.

*Chalcid* 1

*Cynipids* 4 others seen, 3 ♂ =

12th May. Entirely sunny + very warm sun, with gentle E (on shore) breeze. Left home about 9.45 AM. alone + walked to Tollymore Park. Reached the Carriageway Gate + started collecting at 10.30 + swept sides of avenue. Reached foot of Reggie's Pad at 12 noon + collected a little on way up it (=1). Reached top of Reggie's Pad at 1.40 + collected in the beech wood S. of same + in remains of old mixed woodland S.E. of beeches till 3 P.M. Then walked home. Took 2 photos + brought home a plant of white milkwort (*Polygala* sp.) from outside E. wall of the Park near the sheep fold.

Tollymore Park, Co. DC.

Insects taken at 1, i.e. from Carriageway Gate to top of Reggie's Pad, 10.30 till 1.40

*Dacnusa* ♂ = *Myrmica rubra* ♀!! wandering clear on sandstone pile!

*Helictes* cf. *viridis* ♀ = *Dolichopus* cf. *viridis* ♂

*Saigona* ♂ (possibly off mt. ant. ?) =

*Schismoneura* 3 ♂♂ = *Schismoneura* cf. *viridis* ♂, ant. 31 & 32.

*Cratichneumon* cf. *viridis* ♂, ant. 35.

*Andrena* cf. *viridis* ♂ seen.

*Leptocryptus claviger* ♂, ant. 28.

Taken at 1 (cont.)

*Pterostichus ruficornis* ♀ + ♂, only ♂ mtd, small with only 26 seg. ant.  
*Homocidus* 3 ♂♂ = *H. alpinus*, only 2 mtd, ant. 20 & 21.  
*Promethes laticarpus* ♂ ant. 24.  
 Gen. sp. 2 ♂♂, ant. 31-32.  
*Euclyptus* 1 ♂ = cf. *remotus* Forst. ant. 43.  
*Aspilota* 1 ♂ not mtd. *Apanteles obliquus* ♂ ant. 22.  
*Oncophanes* 2 ♂♂ (1 mtd.), ant. 22.  
*Euphorus pallipes* var. ♂, ant. 26, radius straight at apex, stigma recurved.  
*Microctonus cynipis* Lyle, ♀, ant. 25/26, with a double seg. in one (45 seg.) antennae.  
*Adelius flaviventris*, 1 rather large ♂, ant. 31.  
*Aspilota* (S.) *concolor* ♂, small, ant. 20.  
*Decusa areolaris* ♂♂ in abundance, ♀♀ a few, none kept.  
*D. longicollis* ♂, ♀, not kept. *D. curvicauda* ♀, ant. 25.  
*Chorebus concolor* ♀, ant. 20.  
*Microctonus canis* ♀♀ common, a few ♂♂, none kept.  
*Aphidius* spp. only 3 or 4, 1 ♀ only, none kept.  
*Proctos* only about a dozen. 4 only mtd. others mainly minute: = *Scelio* sp.  
*Euclyptus* *brunneicornis* Hal. ♀. *Cryptoserphus aculeator* ♂ & another ♂ which might be *curvus*?  
*Chalcids* about 20.

Taken at 2.

Beach Wood, etc. 12.40 till 3 P.M. *Tenthredella coquimbardi*

*Dacnusa* small ♂ = *D. areolaris* var. *varipennis*, ant. 23.  
*Ichneumon* 1 ♂ = *Ichneumon albicinctus* ♂, var. *albicinctus* Stål., ant. 38.  
 Beetle of 3 small ♂♂ not mtd.  
*Stilpnus* *cinereus* ♀, off head at top of Bigger's Oak (for which *cinereus*) ant. 24.  
*Euclyptus* ? ♀ red thorax = *Euclyptus* *leucostictus* Stål. ♀ ant. 30: *Proctos* agree?  
*Microctonus* 1 = *Anisotaenus* *linellus* Hal. ♂ ant. 39.  
*Euclyptus* 1 ♂ not mtd.  
*Rhyssalus clavator* 2 ♂♂ mtd, ant. 28. *Colastes braconius* ♂, not mtd.

Taken at 2 (cont.)

*Microctonus* cf. *altus* ? ♂, ant. 21, petiole sculptured.  
*Aspilota* *remota* ♂ & ♀, 1 ♂, 1 ♀, ant. 26 & 25 respectively.  
*Decusa* cf. *areolaris*: none kept.  
*Triclistus* 1 ♂, 1 ♀ = *T. luteolus* ? ant. 13 & 11 respectively.  
*Microctonus* *canis* several.  
*Aphidius* 1 ♀ mtd. (other not kept) = *Aph.* cf. *procerus* ♀, small & dark, ant. 16.  
*Proctos* minute abundant; none mtd. *Tryphon* 5, only 1 ♂ mtd. = {  
*Scelid.* 3 ♂♂, 2 ♀♀ = *Scelid.* *var.* = *molta* fid. Hines, *achista* ? ♂ *Pantochus* ? ♀  
*Pantochus* cf. *gundlachii* ♀ *binetii* 3 ♂♂ *Pantochus* ? ♀  
*Chalcids* abundant & mostly minute: sent to Graham.

12th May. Another warm sunny day, but somewhat cloudy at times & a heavy rain shower. George & family - put in day with us. Last frost on shore breeze. George & family - put in day with us. Last frost on shore breeze. George & family - put in day with us. Last frost on shore breeze.

14th May. Sunday. Dull with drizzle, shower from noon onwards, becoming heavier & more prolonged in afternoon. Very warm day, & above about 20-25 F. when we set off for Tollymore Park. After a heavy shower it became much sunnier with light northerly breeze. Ret. home at 5 P.M. Collected a few insects from under leaves of a *Sycamore* during shower, as follows: -

15th May. After thick mist all night this was clear & sunny & a very light E breeze & sky did not clear until 6 P.M. After that when sky & almost promise of frost (forecast for parts of Scotland & England). Filled about 20 small pots with *Scirpus* & c. for Mr. Ginn's stall at sale next Thursday. In afternoon went to see Mr. Ginn & he gave me some seedling *Thymus* & 2 clumps of a small narrow *Phlox* which I planted at foot end of the seat by the turn-poll in back garden. *Schizanthus* *lunata* ♂ ant. 37, taken in back garden.

16th May 1961. A dull rather miserable cold day with strong E-NE wind & sea fog till 11 P.M. Then wind dropped & sun shone for most of day. Spent day in Tollymore Park with Mr. Caldwell who took his car & for a while Belfast Waterworks house at the Courtyard gate into the Park. Left home at 10.20 & home at 5.30. Collected by sweeping in 3 areas as follows:-

- 1. = 11.0 to 12 noon. Sides of Reggie's Pad & a few Beech trees at top of same.
- 2 = 12 noon till 1 P.M. The beech wood area (a few after lunch in the old "native" wooded area SE of the beeches).
- 3 = 2 till 4 P.M. The old wooded area.

Tollymore Park, Co. Down. 11 till 12 noon.

Insects taken at 1.

*Picrostigena recticauda* ♂, ant. 21.  
*Meloboris* sp. ♀, ant. 21, near red. *Colletes brevicornis* 3 minute ♂♂ off beech: not mtd.  
*Euphranta connexa* ♂, ant. 24.  
*Opius caelatus* Hal. ♀, ant. 44. *Aspilota cf. fuscicornis* ♀, ant. 21.  
*Dacnusa aphanta* ♂, ant. 21 (R) *areolaris* ♂, ant. 24 (not kept).  
*Triclistus* ♂, ant. 11. *Microctonus canescens* ♀, not mtd.  
*Aphidius* ♂, not kept.  
*Praon* (small) 2, not mtd. *Cynipid* 2 (one very minute!) not mtd.  
*Chalcids* ca 20, sent to Graham.  
Very little out-ming to cold wind, & one or two in killing bottle taken here also!

Taken at 2.

*Phygadeuon* sp. ♀, ant. 19.  
*Phygadeuon pictus* n. sp. ♀, ant. 28. *Picrostigena cf. recticauda* ♂, ant. 27.  
*Stenomacrus fumipennis* ♂, ant. 25. *Aspilota cf. fuscicornis* ♂, ant. 39.  
*Mesoleptus cf. ruficornis* Grav. ♂, ant. 32; see also ♂ from 3 on opp. page →  
*Parabatus latungula*, ♀, ant. 45; not off beech!  
*Aspilota oblique*, ♂, ant. 22.

16.5.61, cont. Tollymore Park, DO., cont.

Taken at 2 cont.

*Colletes brevicornis* 1 minute ♂, large ♀, not mtd. *Phygadeuon* ♂, not mtd.  
*Praon* *circumscriptum* complex ♀, ant. 27; all black abd.!  
*Microctonus* sp. ♂, ant. 22. *Aspilota* sp. ♀, ant. 22.  
*Aspilota ruficornis* ♀, ant. 25. *Aspilota* sp. ♀, ant. 22.  
*Dacnusa areolaris* ♂, *D. longicauda* ♂, *D. longicauda* ♂ } none mtd.  
*Triclistus* ♂, not mtd.  
*Praon*: *Oxytelus* 2 = *Oxytelus* ♀, ant. 14 = *O. ruficornis* (S. & G.) Ireland!  
*Cynipid* 1: not mtd. *Oxytelus* ♀, ant. 15 =  
*Chalcids* ca. 30: sent to Graham.

Taken at 3: mostly after sun began to break through clouds!

*Colletes brevicornis* 2 ♂♂, ant. 23. *Helcon* *albator* Thoms. ant. 21 (from J.F.R. 14.6.61).  
*Microctonus* ♂, not mtd. *Stenomacrus* ♂, not mtd.  
*Euclyptus* *signatus* n. sp. ♂, ant. 22; for type of ♀ sp. 200 (2) 22.5.61 in red. not mtd.  
*Stenomacrus macula* ♀, ant. 26. *Homocidus* *pallidus* ♂, ant. 21.  
*Stenomacrus* *lineariformis* 2 ♂♂: one has ant. 27: the other given to Bird Museum.  
*Mesoleptus* ♂, 2 = *Mesoleptus* of *lineariformis* ♂, ant. 22. *Aspilota* *areolaris* Thoms. ♀, ant. 21.  
*Phaenocarpa* 4 = *Aspilota oblique* 2 ♂♂, ant. 21 & 22. *Stenomacrus* *macula* ♂, ant. 26. *Stenomacrus* ♂, ant. 20. *Stenomacrus* ♂, ant. 20. *Stenomacrus* ♂, ant. 20. *Stenomacrus* ♂, ant. 20.  
*Helcon* ♂, ant. 20. *Helcon* ♂, ant. 20. *Helcon* ♂, ant. 20. *Helcon* ♂, ant. 20.  
*Praon* *circumscriptum* complex ♀, ant. 27. *Praon* *circumscriptum* complex ♀, ant. 27. *Praon* *circumscriptum* complex ♀, ant. 27. *Praon* *circumscriptum* complex ♀, ant. 27.  
*Stenomacrus ruficornis* ♂, ant. 26. *Stenomacrus ruficornis* ♂, ant. 26. *Stenomacrus ruficornis* ♂, ant. 26. *Stenomacrus ruficornis* ♂, ant. 26.  
*Triclistus* *belusae* 2 ♀♀: one mtd., ant. 11.  
*Cynipid* 1.  
*Proctos* 1. *Proctos* 1. *Proctos* 1. *Proctos* 1.  
*Chalcids* ca 25.  
*Chalcids* ca 25.

For contact of killing bottle P.T.C. →

53 16.5.61, cont. Tollymore Park, D.O., cont.

In killing bottle (from 1, 2 & 3).

*Dolerus puncticollis* ♀ from 3: swept off bank on 16.5.61.

*A. niger* 7 ♂♂ from 3.

♂

♂ from 2.

♀ 2 ♂♂ from 3.

*Pezomachus* ♂ of bank at 2: *Corabatus latungula* } *Holodactylus* ♂ from 11.  
ant 45 } a provided ♀ ant. 31

♀ of 4. ♀ of 4 with blasted front tibiae, from 3 = *Pezomachus* ♂ from 11.

*Rogas* ♂ from bank at 2: ant. 39.

Ants. *Myrmica ruginodis* ♂ & *Formica*

♂♂ from 3.

17th May. Almost exactly similar to yesterday, & remained  
dry & dull till late in afternoon, with cold NE. breeze.

18th May. More or less same as yesterday, but sun came out earlier.

19th May. Mainly dull, & cold in afternoon & after almost drizzling.  
Still colder in evening.

W. CURWEN,  
Stationery Contractor,  
3, Nassau Street,  
DUBLIN.



